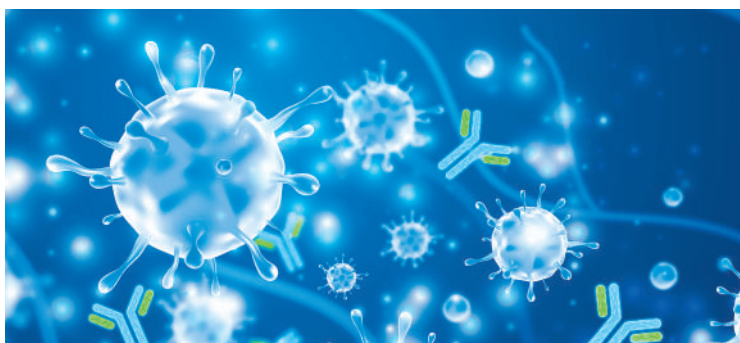


PRECISION ANTIGENS

The Most Critical IVD Kit Components



PRODUCT CATALOG

2026-2027

Our Promise



25+ YEARS

of Legacy



GLOBAL

Trusted Partner of
IVD Raw Materials



INTEGRATED

Team of R&D, QC, QA
& Manufacturing Experts



RIGOROUS

Standards of Source
Authenticity, Form,
Purity & Consistency

High quality antigens and antibodies are critical components of in vitro diagnostic (IVD) kits, yet kit manufacturers often struggle to find components that truly resembles patient samples. Yashraj Biotechnology Ltd. (YBL) keeps its promise by supplying antigens suitable for all major IVD assay platforms—including ELISA, fluorescence immunoassay (FIA), chemiluminescent immunoassay (CLIA), and immunoturbidimetry—as well as serving high-quality immunogens for antibody production. With a legacy spanning over two decades as a trusted global partner for IVD kits manufacturers, YBL's portfolio delivers high-demand markers like native CRP, cancer antigens (CA 125, CA 15-3, CA 19-9, CEA, AFP, PSA, HE4), and infectious markers (HBsAg subtypes Ad & Ay), alongside rare antigens for renal, cardiac, hormonal, reproductive, and neurological applications.

Our promise is rooted in robust availability of biomedical fluids and an integrated team of R&D, Quality Control, Quality Assurance and manufacturing experts who ensure every antigen meets rigorous standards of source authenticity, form, purity, and consistency. While many commercial reagents are locked in closed systems, YBL is actively fulfilling our promise of multi-platform compatibility by strategically adjusting base matrices to enable consistent recovery signals across different manufacturer platforms—a key commitment for the coming years. Our philosophy of commitment, consistency, and innovation is reflected in both our native antigens (derived from human biological materials) and recombinant antigens (produced via *E. coli* or mammalian hosts), providing the true-to-patient foundation your assay and antibody programs need.

This catalog details YBL's comprehensive antigen portfolio, offering customization options and precise specifications for every product as a testament to our promise. Whether you are building an ELISA or CLIA kit, or generating custom antibodies, YBL is committed to provide Precision Antigens that deliver the reliability and flexibility required to advance the next generation of diagnostics.

Precision Antigens for Precision IVD Diagnostics



Anaemia



Pregnancy/Reproductive



Cancer



Renal



Infection



Neurological



Inflammation



Hormonal



Cardiac



Others



INFLAMMATION



Sr. No.	Abbreviation	Description	Purity	Form	Source	Customization	Catalog No.
1	CLP	Calprotectin	High Pure	Liquid	Human Neutrophils		FCAL-128
2	CLP	Calprotectin	High Pure	Liquid	Human Neutrophils	Without EDTA, HEPES Buffer	FCAL-128-01
3	CLP	Calprotectin	High Pure	Liquid	Human Neutrophils	With EDTA HEPES Buffer	FCAL-128-02
4	CRP	C-Reactive Protein	High Pure	Liquid	Human Fluids		FCRhp-13-01
5	CRP	C-Reactive Protein	High Pure	Liquid	Human Fluids	Preservative Free	FCRhp(PF)-54
6	CRP	C-Reactive Protein	High Pure	Liquid	Human Fluids	Concentration >10 mg/mL	FCRhp-13-06
7	CRP	C-Reactive Protein	High Pure	Liquid	Human Fluids	Customized formulation	FCRhp-13-14
8	CRP	C-Reactive Protein	High Pure	Liquid	Human Fluids	Free of Human-IgA, IgG, IgM & Albumin contamination	FCRhp-13-15
9	CRP	C-Reactive Protein	Part Pure	Liquid	Human Fluids		FCRpp-14
10	CRP	C-Reactive Protein	Part Pure	Liquid	Human Fluids	Customized Testing & Formulation, Purity ~81%	FCRpp-14-04
11	CRP	C-Reactive Protein	Part Pure	Liquid	Human Fluids	Standard Testing & Formulation, Purity ~80%	FCRpp-14-06
12	Canine CRP	Canine C-Reactive Protein	High Pure	Liquid	Canine Fluid		FvcCRP-147
13	D-Dimer	D-Dimer	High Pure	Liquid	Human Plasma		FDDp-36
14	D-Dimer	D-Dimer	High Pure	Liquid	Human Plasma	Glycerol-free	FDDpGf-46
15	D-Dimer	D-Dimer	Part Pure	Liquid	Human Plasma		FDDpp-47
16	r-IL-6	● Interleukin-6	High Pure	Liquid	E. coli	Without Tag	FrIL6-87-02
17	MPO	Myeloperoxidase	High Pure	Liquid	Human Neutrophils		FMP-24-01
18	r-PCT	● Procalcitonin	High Pure	Lyophilized	E. coli	Without Tag	FrPCALy-126-03
19	r-SAA	● Serum Amyloid A	High Pure	Liquid	E. coli	With Tag	FrSAA-79-02
20	r-TNFα	● Tumor Necrosis Factor alpha	High Pure	Liquid	E. coli	Without Tag	FrTNF-81-01

● Recombinant



Sr. No.	Abbreviation	Description	Purity	Form	Source	Customization	Catalog No.
1	HBsAg-Ad	Hepatitis B Surface Antigen - subtype Ad	High Pure	Liquid	Human Blood		FHBd-16-03
2	HBsAg-Ad	Hepatitis B Surface Antigen - subtype Ad	High Pure	Liquid	Human Blood	Inclusion of sucrose in buffer	FHBdsuc-17
3	HBsAg-Ad	Hepatitis B Surface Antigen - subtype Ad	High Pure	Liquid	Human Blood	Inclusion of sucrose in buffer, concentration >3.5 mg/mL	FHBdsuc-17-01
4	HBsAg-Ay	Hepatitis B Surface Antigen - subtype Ay	High Pure	Liquid	Human Blood	Standard formulation & Testing	FHBy-18-03
5	HBsAg-Ay	Hepatitis B Surface Antigen - subtype Ay	High Pure	Liquid	Human Blood	Inclusion of sucrose in buffer	FHBysuc-19-05
6	HBsAg-Ay	Hepatitis B Surface Antigen - subtype Ay	High Pure	Liquid	Human Blood	Inclusion of sucrose in buffer, >3.5 mg/mL	FHBysuc-19-01
7	HBsAg (Ad-Ay mix)	Hepatitis B Surface Antigen - Ad/Ay mix	High Pure	Liquid	Human Blood		FHB-120
8	r-SLO	● Streptolysin O	High Pure	Liquid	E. coli	With Tag	FrSLO-29
9	r-SLO	● Streptolysin O	High Pure	Liquid	E. coli	With Tag; glutaraldehyde stabilized; free amino group	FSrSLO-30
10	r-SLO	● Streptolysin O	High Pure	Liquid	E. coli	With Tag; glutaraldehyde stabilized	FSrSLOWb-48
11	r-SLO	● Streptolysin O	Part Pure	Liquid	E. coli	With Tag	FrSLOpp-104
12	r-SLO	● Streptolysin O	High Pure	Liquid	E. coli	With Tag; glutaraldehyde stabilized; preservative free	FSrSLOWb-pf-127

● Recombinant

CANCER



Sr. No.	Abbreviation	Description	Purity	Form	Source	Customization	Catalog No.
1	AFP	Alpha-fetoprotein	High Pure	Liquid	Human Cord Blood		FAFhp-03-09
2	AFP	Alpha-fetoprotein	Part Pure	Liquid	Human Cord Blood		FAFpp-4
3	CA125	Cancer Antigen 125	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross-reactivity	FOC-08
4	CA 15-3	Cancer Antigen 15-3	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross-reactivity	FBC-09
5	CA 15-3	Cancer Antigen 15-3	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross reactivity, >30,000 U/mL	FBC-09-03
6	CA 15-3	Cancer Antigen 15-3	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross reactivity, CEA < 5%	FBC-09-05
7	CA 15-3	Cancer Antigen 15-3	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross-reactivity; concentration >35,000 U/mL	FBC-09-12
8	CA 15-3	Cancer Antigen 15-3	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross-reactivity; concentration ≥ 5,000 U/mL	FBC-09-16
9	CA 19-9	Cancer Antigen 19-9	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross-reactivity	FGI-10
10	CA 19-9	Cancer Antigen 19-9	Part Pure	Liquid	Ascitic Cancer Fluids	Concentration >100 KU/mL; low cross-reactivity	FGI-10-03
11	CA 19-9	Cancer Antigen 19-9	Part Pure	Liquid	Ascitic Cancer Fluids	Concentration ≥100 KU/mL; low cross-reactivity	FGI-10-08
12	CA 19-9	Cancer Antigen 19-9	Part Pure	Liquid	Ascitic Cancer Fluids	Concentration 300 to 500 KU/mL; cross contamination <10%; low cross-reactivity	FGI-10-12
13	CA 72-4	Cancer Antigen 72-4	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross-reactivity	FGC-11

CANCER



Sr. No.	Abbreviation	Description	Purity	Form	Source	Customization	Catalog No.
14	CA 72-4	Cancer Antigen 72-4	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross-reactivity; concentration $\geq$ 30,000 U/mL	FGC-11-04
15	CA 72-4	Cancer Antigen 72-4	Part Pure	Liquid	Ascitic Cancer Fluids	Low cross-reactivity; concentration $\geq$ 5,000 U/mL	FGC-11-07
16	CEA	Carcinoembryonic Antigen	High Pure (95%)	Liquid	Human Fluids		FCEcf-69
17	CEA	Carcinoembryonic Antigen	Part Pure	Liquid	Human Cancer Fluids		FCEcf pp-57
18	HE4	Human Epididymis Protein 4	Pure (>90%)	Liquid	Human Cancer Fluids		FHE4-73
19	Lambda FLC	Lambda Free Light Chain	High Pure	Liquid	Human Urine		FfLLC-94
20	Lambda FLC	Lambda Free Light Chain	High Pure	Liquid	Renal Failure Urine	Purity >85%	FfLLC-94-09
21	Lambda FLC	Lambda Free Light Chain	Crude	Liquid	Renal Failure Urine		FfLLC-153
22	Kappa FLC	Kappa Free Light Chain	High Pure	Liquid	Human Urine		FfKLC-96
23	Kappa FLC	Kappa Free Light Chain	High Pure	Liquid	Human Urine	Purity > 75%,	FfKLC-96-10
24	Kappa FLC	Kappa Free Light Chain	High Pure	Liquid	Human Urine	Lyophilized	FfKLCLy-124
25	Kappa FLC	Kappa Free Light Chain	Crude	Liquid	Renal Failure Urine		FfKLC-155

CANCER



Sr. No.	Abbreviation	Description	Purity	Form	Source	Customization	Catalog No.
26	Kappa FLC	Kappa Free Light Chain	High Pure	Liquid	Human Urine	Purity > 96%; <1% IgG, IgM and IgA	FfKLC-96-05
27	Kappa FLC	Kappa Free Light Chain	High Pure	Liquid	Renal Failure Urine	Purity >85%; total protein >3 mg/mL	FfKLC-96-16
28	Kappa FLC	Kappa Free Light Chain	High Pure	Liquid	Human Urine		FfKLCLy-124
29	PSA	Prostate-Specific Antigen	High Pure	Liquid	Human Seminal Plasma		FPSA-25
30	PSA	Prostate-Specific Antigen	Part Pure	Liquid	Human Seminal Plasma		FPSAs-45
31	PSA	Prostate-Specific Antigen	High Pure	Lyophilized	Human Seminal Plasma		FPSAly-26
32	PSA-ACT	Prostate-Specific Antigen-Alpha-1-Antichymotrypsin Complex	High Pure	Liquid	Human Seminal and Blood Plasma		FPACThp-88-02
33	PSA-ACT	Prostate-Specific Antigen-Alpha-1-Antichymotrypsin Complex	Part Pure	Liquid	Human Seminal and Blood Plasma		FPACT-27
34	PSA-ACT	Prostate-Specific Antigen-Alpha-1-Antichymotrypsin Complex	Part Pure	Liquid	Human Seminal and Blood Plasma	Concentration ≥0.1 mg/mL	FPACT-27-02



Sr. No.	Abbreviation	Description	Purity	Form	Source	Customization	Catalog No.
1	A1M	Alpha-1 Microglobulin	High Pure	Liquid	Human Urine		FAMhp-1
2	A1M	Alpha-1 Microglobulin	Part Pure	Liquid	Human Urine		FAMpp-2
3	A1M	Alpha-1 Microglobulin	Part Pure (>10%)	Liquid	Human Urine		FAMT-44
4	B2M	Beta-2 Microglobulin	High Pure	Liquid	Human Urine		FB2Mhp-05
5	B2M	Beta-2 Microglobulin	High Pure	Liquid	Human Urine	50 mM Phosphate buffer	FB2Mhp-05-04
6	B2M	Beta-2 Microglobulin	High Pure	Lyophilized	Human Urine		FB2MLy-42
7	B2M	Beta-2 Microglobulin	Part Pure	Liquid	Human Urine		FB2Mpp-55-01
8	B2M	Beta-2 Microglobulin	Part Pure (>40%)	Liquid	Human Urine		FB2Mpp-122
9	Cystatin-C	Cystatin-C	High Pure	Liquid	Human Urine		FCysChp-56
10	Cystatin-C	Cystatin-C	Part Pure	Liquid	Human Urine		FCysC-15
11	r-NGAL	● Neutrophil Gelatinase-Associated Lipocalin	High Pure	Liquid	E. coli	Wild type	FrwGAL-34-01
12	NGAL	Neutrophil Gelatinase-Associated Lipocalin	Pure	Liquid	Human Neutrophils		FGAL-32-05
13	RBP	Retinol Binding Protein	High Pure (>98%)	Liquid	Renal Failure Urine		FRBP-76-01

● Recombinant



Sr. No.	Abbreviation	Description	Purity	Form	Source	Customization	Catalog No.
1	r-CKMM	● Creatine Kinase MM Isoenzyme	High Pure	Liquid	E. coli	With Tag	FrCKM-91
2	r-CKMB	● Creatine Kinase MB Isoenzyme	High Pure	Liquid	E. coli	Without Tag	FrCKMB-157
3	r-FABP 3	● Fatty Acid Binding Protein 3	High Pure	Liquid	E. coli	Without Tag, With AEBSF	FrFABP3wh-103-02
4	r-Galectin-3	● Galectin-3	High Pure	Liquid	E. coli	With Tag	FrGTNH-49
5	r-Galectin-3	● Galectin-3	High Pure	Liquid	E. coli	Without Tag	FrGTNW-64-01
6	r-Myoglobin	● Myoglobin	High Pure	Liquid	E. coli	Without Tag	FrMYG-232
7	r-NT-ProBNP	● N-terminal pro-B-type Natriuretic Peptide	High Pure	Liquid	E. coli	With Tag	FrNPB-NP-66-02

● Recombinant

Sr. No.	Category	Abbreviation	Description	Purity	Form	Source	Customization	Catalog No.
1	Anaemia	FPF	Human Ferritin	High Pure	Liquid	Human Placenta		FPF-39-02
2	Anaemia	sTfR	Soluble Transferrin Receptor	Part Pure	Liquid	Human Plasma		FsTfR-23-03
3	Pregnancy	PAPPA	Pregnancy Associated Plasma Protein A	High Pure	Lyophilized	Human Placenta		FPAPPLY-187
4	Neurological	● r-NSE	Neuron Specific Enolase	High Pure	Liquid	E. coli	With Tag	FrNSE-51-01
5	Hormone	● r-PRL	Prolactin	High Pure	Liquid	E. coli	Without Tag, Standard Buffer	FrPR-82-02
6	Hormone	● r-PRL	Prolactin	High Pure	Liquid	E. coli	Without Tag; Customized Buffer	FrPR-82
7	Hormone	● r-PRL	Prolactin	High Pure	Lyophilized	E. coli	Without Tag; 50 µg	FrPRLy-71-50µg
8	Hormone	● r-PRL	Prolactin	High Pure	Lyophilized	E. coli	Without Tag; 1 mg	FrPRLy-71-1mg
9	Reproductive	● r-SHBG	Sex Hormone-Binding Protein	High Pure	Liquid	Mammalian Cells	Without Tag	FrSHB-93-03
10	Immunoglobulins	IgG Fc	Immunoglobulin G Fragment Crystallizable	High Pure	Liquid	Human IgG		FlgGFchp-210
11	Immunoglobulins	IgG	Immunoglobulin G	Crude	Liquid	Plasma obtained from Healthy Donors	Human IgG plasma fractionation Cohn Fraction III paste	FlgG-215

● Recombinant

Customized Solutions Stronger Partnerships

At YBL, customization is not an exception to the offering it is an integral part of how lasting customer partnerships are built.

Beyond the antigens listed in the catalog, YBL supports customers with tailored sourcing and development solutions for targets that are not part of the current portfolio, as well as for antigens that require specifications beyond standard catalog formats.

For over 25 years, this customer-centric approach has helped YBL build strong relationships with IVD manufacturers worldwide.

By understanding application-specific needs in depth, YBL works closely with customers to deliver antigens aligned to required purity, formulation, concentration, contamination profile, format, and scale—helping transform complex requirements into practical product solutions.



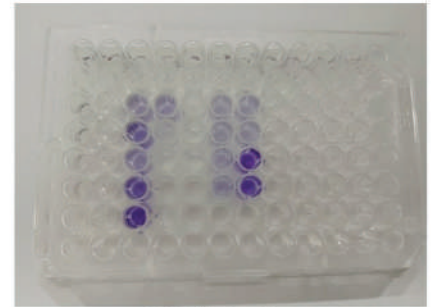
Examples of past customizations

- CA 15-3: Reduction of HE4 to below 25% of CA 15-3
- B2M: Scale-up 60X in production within 6 months
- CRP: Immunogen grade, free from IgG, IgM, and albumin
- PAPP-A: Lyophilized format
- HBsAg: Specific final buffer formulation
- Cystatin C: Product developed to customer-defined specifications
- Rheumatoid Factor: Customized development support

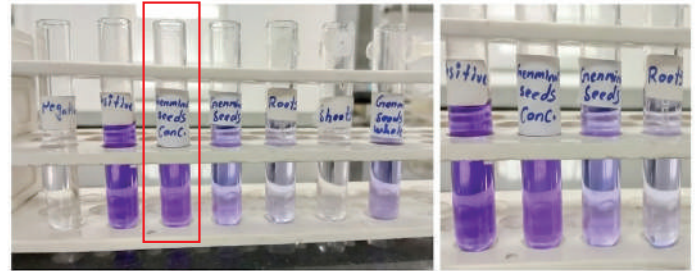
Case Study

Oxalate oxidase

- Enzyme found in Barley
- Tried multiple construct in two different hosts E. coli, Pichia.
- Purified recombinant OXO did not show enzyme activity.
- Customer faced same issues with products of other labs and suppliers
- Germinated Barley in R&D lab and produced OXO. Proof of Concept delivered at par to the standard.



96-Well Plate Assay



Test Tube Rack Assay Results



Built on Expertise. Driven by Quality. Trusted Worldwide.

Behind every YBL antigen is a strong foundation of scientific expertise, manufacturing capability and quality systems designed to support global IVD manufacturers. With over 25 years of experience, YBL combines technical depth, robust sourcing strength and dependable operational scale to deliver confidence beyond the catalog.



Why YBL ?

- Strong R&D team with experienced scientists and PhD professionals
- More than 200,000 sq. ft. of R&D and manufacturing space
- Gram-to-kilogram scale protein production capability
- Robust biomedical fluid sourcing and extensive biospecimen access
- Batch-to-batch consistency across production
- Broad customization and bespoke project execution capability
- Strong process manufacturing capacity
- Long-standing relationships with major IVD players

Facilities & Capacities

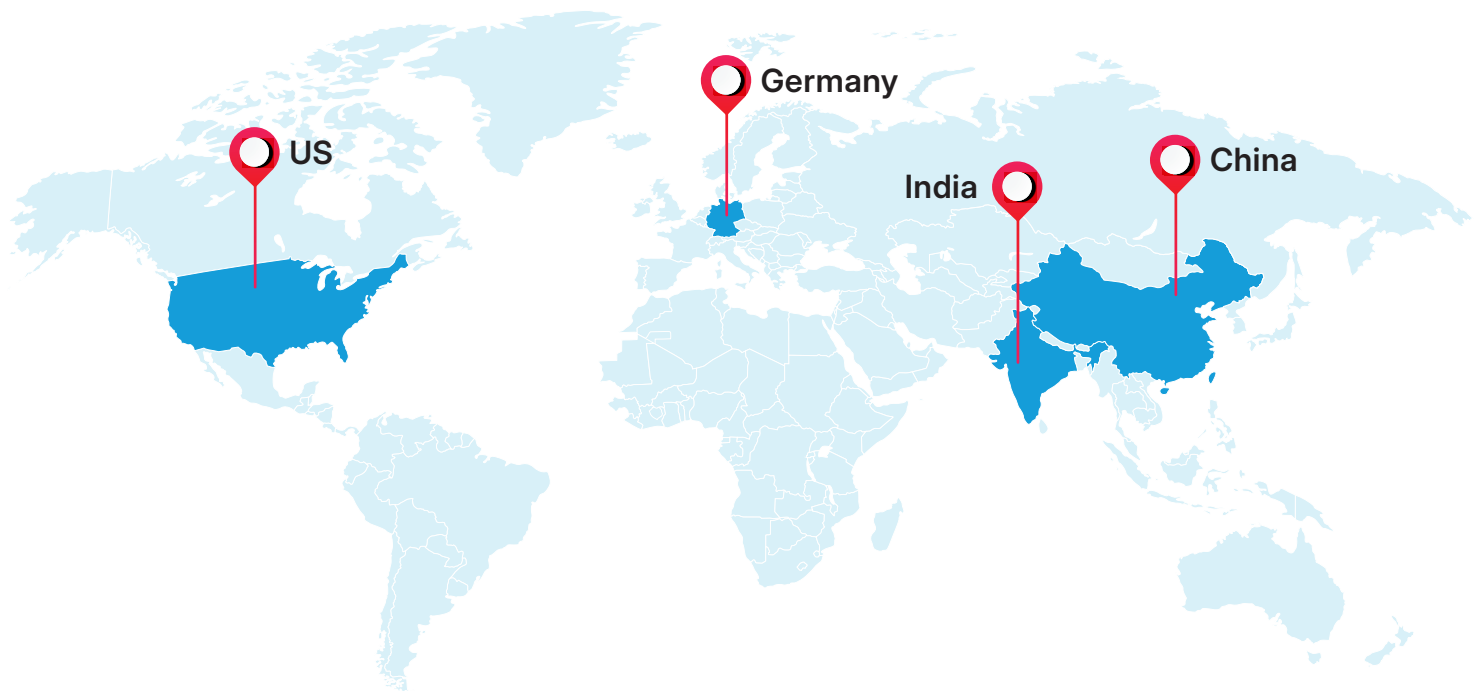


>200,000 Sq. Ft of R&D And Mfg. Space for Grams to KG Level of Protein Production

State-of-the-Art Instruments



Strong Global Presence



Quality & Certifications



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