

Recombinant HIV-1 gp41 (Group O Variant)

Product Code: BA01O-C

HIV-1 gp41 (Group O Variant) has been developed to address the significant genetic diversity present within HIV-1 and to support the detection of less common viral lineages. Although Group O infections are rare globally, they remain clinically relevant in parts of West and Central Africa and may present diagnostic challenges in assays designed exclusively around Group M antigens. This antigen contains Group O-specific epitopes that enhance analytical inclusivity and broaden assay coverage. It is particularly valuable for manufacturers seeking to develop globally deployable HIV diagnostic platforms. Incorporating Group O gp41 into multiplex assays can help improve confidence in detecting genetically divergent HIV-1 variants.

Related products from Fluorobiot**tech**

- ▶ HIV-1 gp41 (Subtype B)
- ▶ HIV-1 p24 (Subtype C)
- ▶ HIV-2 gp36 (Ectodomain)

PROPERTIES

Source	Recombinantly produced in <i>E. coli</i>
Size	1.0 mg
Purity (SDS-PAGE)	>95% as determined by SDS-PAGE
Tag	His tag
Form	Lyophilised (white powder)
Molecular weight	~13 kDa
Concentration	1.0 mg/mL when reconstituted as recommended. Each laboratory should determine optimum working titre for use in its particular application.
Activity	Binds HIV-1 positive serum antibodies
Applications	ELISA, WB, LF
Species	Human immunodeficiency virus type 1 (Group O Variant)
Storage and stability	Store at 15-25°C lyophilized; 4 °C when reconstituted.
Storage buffer	20mM Na-carbonate, pH 9.6
Shipping	Ambient temperature
Animal origin free	Yes

Precautions and Disclaimer

This product is for laboratory research use only. It is not suitable for human therapeutic or diagnostic use. Please consult the Material Safety Data Sheet for handling recommendations before working with this material