



Recombinant HIV type 1 Glycoprotein 41 (DAG675)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product is a Pichia pastoris-derived recombinant protein corresponding to amino acids 546-682 of HXB2, an ecto-domain of glycoprotein gp41 from HIV-1.
Species	HIV
Purity	95% by SDS PAGE
Conjugate	Unconjugated
Applications	ELISA; Western Blotting
Molecular Weight	22-28 kDa
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	The human immunodeficiency virus (HIV) is a lentivirus (slowly replicating retrovirus) that causes the acquired immunodeficiency syndrome (AIDS), a condition in humans in which progressive failure of the immune system allows life-threatening opportunistic infections and cancers to thrive. Without treatment, average survival time after infection with HIV is estimated to be 9 to 11 years, depending on the HIV subtype. Infection with HIV occurs by the transfer of blood, semen, vaginal fluid, pre-ejaculate, or breast milk. Within these bodily fluids, HIV is present as both free virus particles and virus within infected immune cells.
Keywords	env; Glycoprotein 41; gp41; TM; Transmembrane protein; HIV gp41 L