



## Recombinant HIV type 1 (DAG4266)

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

### PRODUCT INFORMATION

Product Overview	Recombinant HIV-I Antigen ( rHIV-I )
Species	HIV
Purity	Greater than 98.0% as determined by HPLC analysis
Conjugate	Unconjugated
Applications	ELISA
Format	Liquid, The antigen is dissolved in 0.5X PBS and contains 0.05% SDS
Preservative	None
Storage	2-8°C short term, -20°C long term

### BACKGROUND

Introduction	Human immunodeficiency virus (HIV) is a lentivirus (a member of the retrovirus family) that causes 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. 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. The four major routes of transmission are unsafe sex, contaminated needles, breast milk, and transmission from an infected mother to her baby at birth (perinatal transmission). Screening of blood products for HIV has largely eliminated transmission through blood transfusions or infected blood products in the developed world.
Keywords	Envelope Antigen; Human immunodeficiency virus 1; Human immunodeficiency virus type O Envelope Antigen; HIV-1; Human Immunodeficiency Virus Type 1; HIV-1 Envelope Antigen; Human Immunodeficiency Virus Type O Envelope Antigen; Retroviridae; Lentivirus; Env