

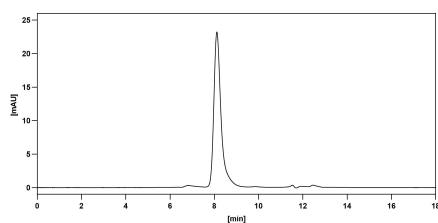
Product Information	
Catalog No.	BS10502
Product name	Anti-HIV-1 gp120 Reference Antibody (Suvizumab, RUO)
Applications	ELISA, Bioactivity: FACS, Functional assay, Research in vivo
Species reactivity	Human immunodeficiency virus 1 (HIV-1)
Host species	Humanized
Clonality	Monoclonal
Isotype	IgG1, kappa
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	1mg/ml
Purity	>95% purity as determined by SDS-PAGE.
Purification	Protein A/G purified from cell culture supernatant.
Target	env/Env polyprotein
Expression system	Mammalian Cells
Accession	P03377
Endotoxin level	Please contact the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C for short-term storage (1-2 weeks). Store at -20°C for up to 12 months. For long-term storage, store at -80°C.
Alternative Names	KD-247, 914257-21-9
Note	For research use only. Not suitable for clinical or therapeutic use.

Background

Suvizumab (KD-247) is an neutralizing antibody anti-HIV-1. Suvizumab effectively neutralizes HIV-1MN, HIV-1SF2 and HIV-189.6 with IC50 values of 0.1 µg/mL, 1.0 µg/mL and 0.2 µg/mL, respectively. Suvizumab reduces the viral load of HIV. Suvizumab has good tolerance and can be used to prevent HIV infection.

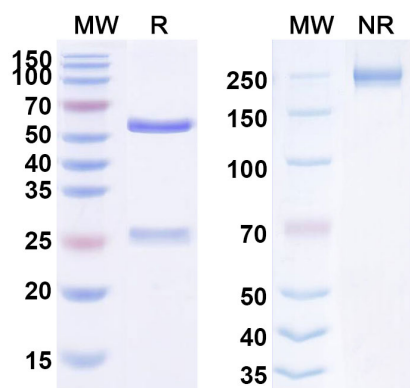
- Targeted infection of HIV-1 Env expressing cells by HIV(CD4/CXCR4) vectors reveals a potential new rationale for HIV-1 mediated down-modulation of CD4., PMID:16371160
- The intracytoplasmic domain of the Env transmembrane protein is a locus for attenuation of simian immunodeficiency virus SIVmac in rhesus macaques., PMID:10846063
- Differences in feline immunodeficiency virus host cell range correlate with envelope fusogenic properties., PMID:7856093
- Incomplete protection, but suppression of virus burden, elicited by subunit simian immunodeficiency virus vaccines., PMID:8107246
- Mechanistic analysis of pause site-dependent and -independent recombinogenic strand transfer from structurally diverse regions of the HIV genome., PMID:15342633

Image Data



SEC-HPLC

SEC-HPLC detection for Research Grade Suvizumab.



SDS-PAGE

SDS-PAGE for Research Grade Suvizumab.