Datasheet for ABIN285167

anti-GP120 antibody

2 Publications

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Overview

Quantity:	100 µg
Target:	GP120 (HIV-1 gp120)
Reactivity:	Human Immunodeficiency Virus (HIV)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GP120 antibody is un-conjugated
Application:	ELISA, Immunoprecipitation (IP), Immunohistochemistry (IHC), Neutralization (Neut)

Product Details

Immunogen:	HIV1 gp120 antibody was raised in rabbit using HIV-1 gp120 as the immunogen.
Purity:	> 95 % pure

Target Details

Target:	GP120 (HIV-1 gp120)
Alternative Name:	HIV1 Gp120 (HIV-1 gp120 Products)
Target Type:	Viral Protein
Background:	Human immunodeficiency virus (HIV) is a lentivirus that causes acquired immunodeficiency syndrome (AIDS), a condition in humans in which the immune system begins to fail, leading to life-threatening opportunistic infections. Envelope glycoprotein GP120 (or gp120) is a glycoprotein exposed on the surface of the HIV envelope. The 120 in its name comes from its molecular weight of 120 kilodaltons. gp120 is essential for virus entry into cells as it plays a

Target Details

	vital role in seeking out specific cell surface receptors for entry.

Application Details

Application Notes:	ELISA: 1:2,000, IHC: 1:200 Optimal conditions should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Supplied as a liquid in PBS.
Handling Advice:	Avoid repeated freeze/thaw cycles. Dilute only prior to immediate use.
Storage:	-80 °C
Storage Comment:	Aliquot and store at -70 °C or lower.

Publications

Product cited in:	Kondo, Melikyan: "Intercellular adhesion molecule 1 promotes HIV-1 attachment but not fusion to target cells." in: **PLoS ONE**, Vol. 7, Issue 9, pp. e44827, (2013) (PubMed). Miyauchi, Curran, Long, Kondo, Iwamoto, Engelman, Matsuda: "The membrane-spanning domain of gp41 plays a critical role in intracellular trafficking of the HIV envelope protein." in: **Retrovirology**, Vol. 7, pp. 95, (2010) (PubMed).