

Product datasheet

Anti-HIV1 gp120 antibody ab21179

★★★★★ 1 Abreviews 23 References

Overview

Product name	Anti-HIV1 gp120 antibody
Description	Goat polyclonal to HIV1 gp120
Host species	Goat
Tested applications	Suitable for: ELISA, WB
Species reactivity	Reacts with: Species independent
Immunogen	Purified native gp120 from strain IIB.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.1% Sodium azide Constituent: 0.0268% PBS
Purification notes	Purified by Sodium sulfate precipitation and ion-exchange chromatography.>95% pure.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab21179 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
WB	★★★★★ (1)	1/1000. Predicted molecular weight: 120 kDa. Dilution optimised using Chromogenic detection

Target

Relevance

HIV1 is equipped with the envelope gp160 glycoprotein for interaction with Langerhans cells (LCs) and dendritic cells (DCs), the members of the innate immune system, which confront the virus at the portal of virus entry in the human body. These cells are equipped with receptors by which they bind and endocytose the virus. The gp120 glycoprotein is used for binding to CD4 receptor and CCR5 co-receptor of T helper 2 (Th2) cells, and is able to induce FcepsilonRI(+) hematopoietic cells to produce IL4, which inactivates the host adaptive immune response.

Cellular localization

Envelope surface glycoprotein.

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