Anti-HIV1 gp120 antibody ab21179

Overview

Product name
Anti-HIV1 gp120 antibody

Description
Goat polyclonal to HIV1 gp120

Host species
Goat

Tested applications
Suitable for: Conjugation, ELISA, WB

Species reactivity
Reacts with: Species independent

Immunogen
Purified native gp120 from strain IIIB.

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer
pH: 7.20
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

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.

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<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tr>
<td>Conjugation</td>
<td>Use at an assay dependent dilution.</td>
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<tr>
<td>ELISA</td>
<td>Use at an assay dependent dilution.</td>
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<tr>
<td>WB</td>
<td>1/1000. Predicted molecular weight: 120 kDa. Dilution optimised using Chromogenic detection</td>
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Relevance
HIV-1 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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