Product datasheet

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.

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

1 Abreviews  18 References
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 FcεRI(+) hematopoietic cells to produce IL4, which inactivates the host adaptive immune response.

Cellular localization
Envelope surface glycoprotein.

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