### 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>
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</thead>
<tbody>
<tr>
<td>Conjugation</td>
<td>Use at an assay dependent dilution.</td>
<td></td>
</tr>
<tr>
<td>ELISA</td>
<td>Use at an assay dependent dilution.</td>
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</tr>
<tr>
<td>WB</td>
<td>1/1000. Predicted molecular weight: 120 kDa. Dilution optimised using Chromogenic detection</td>
<td></td>
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</table>
**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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**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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