

### HRP Anti-HIV1 gp120 antibody ab20008

#### Overview

<b>Product name</b>	HRP Anti-HIV1 gp120 antibody
<b>Description</b>	HRP Goat polyclonal to HIV1 gp120
<b>Host species</b>	Goat
<b>Conjugation</b>	HRP
<b>Tested applications</b>	<b>Suitable for:</b> WB, ELISA
<b>Species reactivity</b>	<b>Reacts with:</b> Human immunodeficiency virus
<b>Immunogen</b>	Tissue, cells or virus corresponding to HIV-1 HIV1 gp120. Purified native gp120 from HIV strain IIIB.
<b>General notes</b>	<p>IgG fraction covalently coupled to a highly purified preparation of horseradish peroxidase (RZ&gt;3). Care is taken to ensure adequate conjugation while preserving maximum enzyme activity. Free enzyme is absent. Estimated molar HRP: IgG substitution is 2-3.</p> <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&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.002% Thimerosal (merthiolate) Constituents: PBS, 1% BSA
<b>Purity</b>	IgG fraction
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

#### Applications

## The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab20008 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
WB		1/20 - 1/200. Predicted molecular weight: 120 kDa. Dilution optimised using Chromogenic detection.
ELISA		1/200 - 1/1000.

## 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.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

## Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
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