**Recombinant HIV1 gp120 protein ab73769**

### Description

- **Product name**: Recombinant HIV1 gp120 protein
- **Biological activity**: ab73769 is immunoreactive with all sera of HIV1 infected individuals.
- **Purity**: > 95 % SDS-PAGE. Purity is greater than 95.0% as determined by RP-HPLC and SDS-PAGE.
- **Expression system**: Escherichia coli
- **Protein length**: Protein fragment
- **Animal free**: No
- **Nature**: Recombinant
- **Amino acids**: 30 to 110
- **Additional sequence information**: HIV-1 gp120 is a non-glycosylated polypeptide chain, containing HIV-1 gp120 N-terminus immunodominant regions, 30-110 amino acids. The protein is fused to a six histidines tag.

### Specifications

Our **Abpromise guarantee** covers the use of ab73769 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

- **Applications**: Western blot, ELISA
- **Form**: Liquid
- **Additional notes**: ab73769 is immunoreactive with all sera of HIV1 infected individuals and with 60-80% of HIV-2 infected individuals.

### Preparation and Storage

- **Stability and Storage**: Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. pH: 4.50

Constituents: 48% Urea, 1.64% Sodium phosphate, 0.158% Tris HCl

### General Info

- **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.

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