

Product datasheet

Recombinant HIV1 + HIV2 envelope antigen protein ab43024

Description

Product name	Recombinant HIV1 + HIV2 envelope antigen protein
Biological activity	This peptide is immunoreactive with all sera of HIV1, HIV type O and HIV2 infected individuals.
Purity	> 95 % SDS-PAGE. S-Sepharose > Ceramic Hydroxyapatite > S-300 > G-25 > Dialysis.
Expression system	Escherichia coli
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Additional sequence information	The protein contains the C- terminus of gp120 and most of gp41. The protein is conjugated to a 23 amino acids synthetic peptide derived from pg36 of HIV-2.

Specifications

Our **Abpromise guarantee** covers the use of **ab43024** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	This peptide is immunoreactive with all sera of HIV1, HIV type O and HIV2 infected individuals.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 6.00 Constituents: 0.05% Sodium lauryl sulfate, 1.64% Sodium phosphate
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General Info

Relevance

Inhibitors targeting HIV1 viral envelope proteins are used as antiretroviral drugs. The surface protein gp120 attaches the virus to the host lymphoid cell by binding to the primary receptor CD4. This interaction induces a structural rearrangement creating a high affinity binding site for a chemokine coreceptor like CXCR4 and/or CCR5. The transmembrane protein gp41 acts as a class I viral fusion protein.

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
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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