

Anti-CCL4/MIP-1 beta antibody [EPR19999-310] - BSA and Azide free ab242870

Recombinant RabMAb

3 Images

Overview

Product name	Anti-CCL4/MIP-1 beta antibody [EPR19999-310] - BSA and Azide free
Description	Rabbit monoclonal [EPR19999-310] to CCL4/MIP-1 beta - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: Sandwich ELISA
Species reactivity	Reacts with: Mouse, Rat, Human, Monkey
Immunogen	Recombinant full length protein. This information is proprietary to Abcam and/or its suppliers.
General notes	<p>ab242870 is a BSA and Azide Free antibody supplied in an unconjugated format and it is suitable for sandwich ELISAs to quantify CCL4 and/or MIP1b. For Rat CCL4, the recommended pair for sandwich ELISA is:</p> <p>Capture: ab242870, Rat CCL4 Capture Antibody (unconjugated) Detector: ab242512, Rat CCL4 Detector Antibody (unconjugated)</p> <p>The reference range value is 11.7 - 750 pg/ml.</p> <p>Or alternatively, for Human/Monkey MIP1b, the recommended pair for sandwich ELISA is:</p> <p>Capture: ab242625, Human/Monkey MIP1b Capture Antibody (unconjugated) Detector: ab242870, Human/Monkey MIP1b Detector Antibody (unconjugated)</p> <p>The reference range value is 7.81 - 500 pg/ml. for human and 9.4 - 600 pg/ml for monkey.</p> <p>Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with <1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>The recommended antibody orientation is based on internal optimization for ELISA-based assays. Antibody orientation is assay dependent and needs to be optimized for each assay type. Please note that the range provided for this antibody is only an estimation based on the performance of the product using the recommended antibody pair. Performance of the antibody</p>

pair will depend on the specific characteristics of your assay. We guarantee the product works in sandwich ELISA, but we do not guarantee the sensitivity or dynamic range of the antibody in your assay.

This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information [see here](#).

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Constituent: 100% PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR19999-310
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab242870 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
Sandwich ELISA		Use at an assay dependent concentration. Can be paired for Sandwich ELISA with Rabbit monoclonal [EPR18146-5] to CCL4/MIP-1 beta - BSA and Azide free (ab242512) and Rabbit monoclonal [EPR19999-300] to CCL4/MIP-1 beta - BSA and Azide free (Capture) (ab242625) .

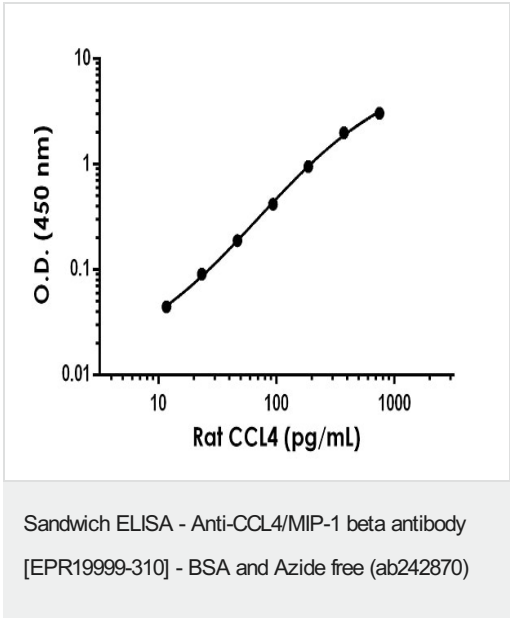
Target

Function Monokine with inflammatory and chemokinetic properties. Binds to CCR5. One of the major HIV-suppressive factors produced by CD8+ T-cells. Recombinant MIP-1-beta induces a dose-dependent inhibition of different strains of HIV-1, HIV-2, and simian immunodeficiency virus (SIV). The processed form MIP-1-beta(3-69) retains the abilities to induce down-modulation of surface expression of the chemokine receptor CCR5 and to inhibit the CCR5-mediated entry of HIV-1 in T-cells. MIP-1-beta(3-69) is also a ligand for CCR1 and CCR2 isoform B.

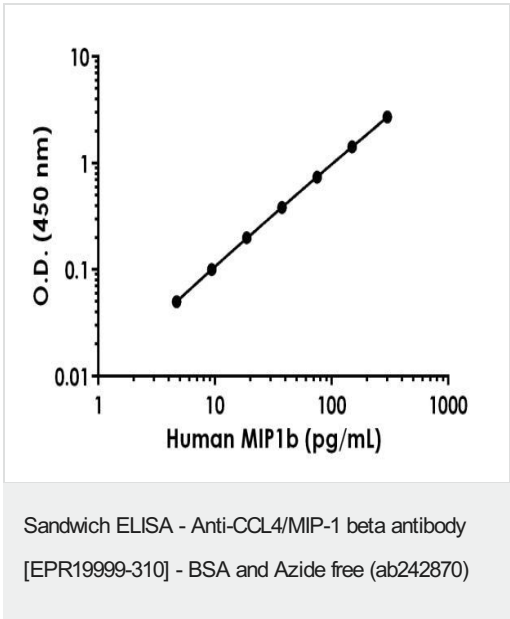
Sequence similarities Belongs to the intercrine beta (chemokine CC) family.

Post-translational modifications	N-terminal processed form MIP-1-beta(3-69) is produced by proteolytic cleavage after secretion from peripheral blood lymphocytes.
Cellular localization	Secreted.

Images



Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab240680](#)).



Representative standard curve from corresponding SimpleStep ELISA® Kit ([ab216173](#)).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-CCL4/MIP-1 beta antibody [EPR19999-310] -
BSA and Azide free (ab242870)

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

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