

Product datasheet

Human VCAM1 Antibody Pair - BSA and Azide free
ab244012

Recombinant RabMAb

1 Image

Overview

| | |
|----------------------------|--|
| Product name | Human VCAM1 Antibody Pair - BSA and Azide free |
| Assay type | ELISA set |
| Range | 0.14 ng/ml - 9 ng/ml |
| Species reactivity | Reacts with: Human |
| Product overview | <p>The Antibody Pair can be used to quantify Human VCAM1. BSA and Azide free antibody pairs include unconjugated capture and detector antibodies suitable for sandwich ELISAs. The antibodies are provided at an approximate concentration of 1 mg/ml as measured by the protein A280 method. 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. Both capture and detector antibodies are rabbit monoclonal antibodies delivering consistent, specific, and sensitive results.</p> <p>For additional information on the performance of the antibody pair, see the equivalent SimpleStep ELISA® Kit (ab223591), which uses the same antibodies. However, due to differences in their formulation, this antibody pair cannot be used with the consumables provided with our SimpleStep ELISA Kits. Please note that the range provided for the pairs is only an estimation based on the performance of the related product using the same antibody pair. Performance of the antibody 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 pair in your assay.</p> <p>Download SDS here.</p> |
| Tested applications | Suitable for: Sandwich ELISA |
| Platform | Reagents |

Properties

| | |
|-----------------------------|---|
| Storage instructions | Store at +4°C. Please refer to protocols. |
| Carrier free | Yes |

| Components | 10 x 96 tests |
|--|---------------|
| Human VCAM1 Capture Antibody (unconjugated) | 1 x 100µg |
| Human VCAM1 Detector Antibody (unconjugated) | 1 x 100µg |

| | |
|---|---|
| Function | Important in cell-cell recognition. Appears to function in leukocyte-endothelial cell adhesion. Interacts with the beta-1 integrin VLA4 on leukocytes, and mediates both adhesion and signal transduction. The VCAM1/VLA4 interaction may play a pathophysiologic role both in immune responses and in leukocyte emigration to sites of inflammation. |
| Tissue specificity | Expressed on inflamed vascular endothelium, as well as on macrophage-like and dendritic cell types in both normal and inflamed tissue. |
| Sequence similarities | Contains 7 Ig-like C2-type (immunoglobulin-like) domains. |
| Domain | Either the first or the fourth Ig-like C2-type domain is required for VLA4-dependent cell adhesion. |
| Post-translational modifications | Sialoglycoprotein. |
| Cellular localization | Membrane. |

Applications

Our [Abpromise guarantee](#) covers the use of **ab244012** 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. |

Images

Powered by
recombinant antibodies



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

Sandwich ELISA - Human VCAM1 Antibody Pair -
BSA and Azide free (ab244012)

To learn more about the advantages of recombinant antibodies see [here](#).

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.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors