

Product datasheet

Anti-CXCL16 antibody ab84435

Overview

Product name	Anti-CXCL16 antibody
Description	Goat polyclonal to CXCL16
Tested applications	Suitable for: WB, Indirect ELISA, Sandwich ELISA
Species reactivity	Reacts with: Mouse
Immunogen	Highly pure (>98%) recombinant full length Mouse CXCL16.

Properties

Form	Lyophilised: Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml. Please note that if you receive this product in liquid form it has already been reconstituted as described and no further reconstitution is necessary
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: None Constituents: PBS, pH 7.2
Purity	Immunogen affinity purified
Purification notes	ab84435 is purified by affinity chromatography employing immobilized CXCL16 matrix and filter sterilised.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab84435** 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		Use a concentration of 0.1 - 0.2 µg/ml. Predicted molecular weight: 27 kDa. Detection limit for recombinant mouse CXCL16 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Indirect ELISA		Use a concentration of 0.5 - 2 µg/ml. Allows the detection of at least 0.2 - 0.4 ng/well of recombinant mouse CXCL16.

Application	Abreviews	Notes
Sandwich ELISA		Use a concentration of 0.5 - 2 µg/ml. Can be paired for Sandwich ELISA with Goat polyclonal to CXCL16 (Biotin) (ab84434) . Can be used as capture antibody with related pair. Allows the detection of at least 0.2 - 0.4 ng/well of recombinant mouse CXCL16.

Target

Function	Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis (By similarity). Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo.
Tissue specificity	Expressed in T-cell areas. Expressed in spleen, lymph nodes, lung, kidney, small intestine and thymus. Weak expression in heart and liver and no expression in brain and bone marrow.
Sequence similarities	Belongs to the intercrine alpha (chemokine CxC) family.
Post-translational modifications	Glycosylated.
Cellular localization	Cell membrane. Secreted. Also exists as a soluble form.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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 <http://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