

Anti-ICAM2 antibody [EPR18231-183] - BSA and Azide free ab224531

Recombinant RabMAb

4 Images

Overview

Product name	Anti-ICAM2 antibody [EPR18231-183] - BSA and Azide free
Description	Rabbit monoclonal [EPR18231-183] to ICAM2 - BSA and Azide free
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB, IP
Species reactivity	Reacts with: Mouse
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	IHC: Mouse spleen tissue.
General notes	<p>ab224531 is the carrier-free version of ab189463.</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>This product is compatible with the Maxpar[®] Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar[®] is a trademark of Fluidigm Canada Inc.</p> <p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.2 Constituent: PBS
Carrier free	Yes
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR18231-183
Isotype	IgG

Applications

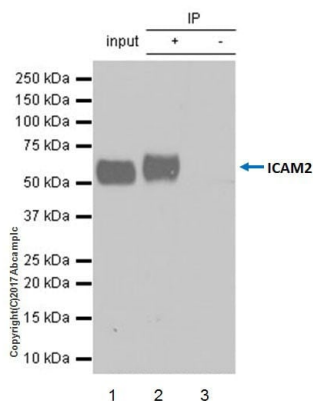
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab224531 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use at an assay dependent concentration. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		Use at an assay dependent concentration. Predicted molecular weight: 31 kDa.
IP		Use at an assay dependent concentration.

Target

Function	ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). ICAM2 may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance.
Sequence similarities	Belongs to the immunoglobulin superfamily. ICAM family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains.
Cellular localization	Membrane.

Images



Immunoprecipitation - Anti-ICAM2 antibody
[EPR18231-183] - BSA and Azide free (ab224531)

ICAM2 was immunoprecipitated from 0.35 mg of bEnd.3 (mouse brain endothelioma cell line) whole cell lysate with **ab189463** at 1/60 dilution. Western blot was performed from the immunoprecipitate using **ab189463** at 1/1,000 dilution. VeriBlot for IP Detection Reagent (HRP) (**ab131366**), was used for detection at 1/10,000 dilution.

Lane 1: bEnd.3 whole cell lysate 10 µg (Input).

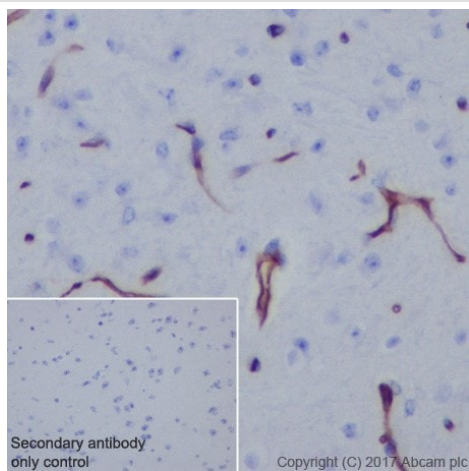
Lane 2: **ab189463** IP in bEnd.3 whole cell lysate (+).

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of **ab189463** in bEnd.3 whole cell lysate (-).

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Exposure time: 30 seconds

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab189463**).



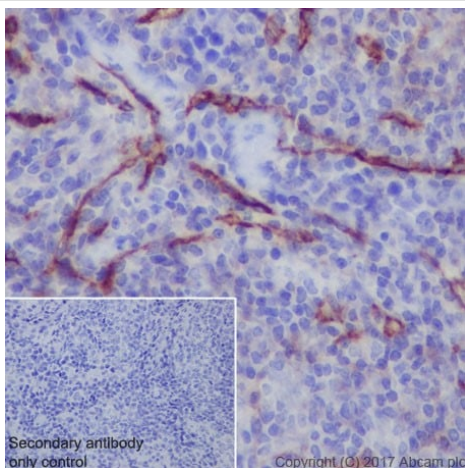
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICAM2 antibody
[EPR18231-183] - BSA and Azide free (ab224531)

Immunohistochemical analysis of paraffin-embedded mouse cerebral cortex tissue labeling ICAM2 with **ab189463** at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), ready to use. Positive staining on vascular endothelium of mouse cerebral cortex (PMID: 12516546). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), ready to use.

Perform heat mediated antigen retrieval using **ab93684** (Tris/EDTA buffer, pH 9.0).

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab189463**).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICAM2 antibody [EPR18231-183] - BSA and Azide free (ab224531)

Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling ICAM2 with **ab189463** at 1/4000 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP), ready to use. Positive staining on vascular endothelium of mouse spleen (PMID: 12516546). Counter stained with Hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP), ready to use.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (**ab189463**).

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

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

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

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