

Product datasheet

Anti-ICAM1 antibody [YN1/1.7.4] (Phycoerythrin) ab25553

★★★★★ 1 Abreviews 4 References 1 Image

Overview

Product name	Anti-ICAM1 antibody [YN1/1.7.4] (Phycoerythrin)
Description	Rat monoclonal [YN1/1.7.4] to ICAM1 (Phycoerythrin)
Host species	Rat
Conjugation	Phycoerythrin. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt, WB, IP, Blocking, IHC-Fr
Species reactivity	Reacts with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose Also contains a stabilizing agent.
Purity	Affinity purified
Clonality	Monoclonal
Clone number	YN1/1.7.4
Isotype	IgG2b
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab25553** 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
Flow Cyt	★★★★★	Use 0.2µg for 10 ⁶ cells.
WB		Use at an assay dependent dilution. Detects a band of approximately 95 kDa (predicted molecular weight: 85-110 kDa).
IP		Use at an assay dependent dilution.
Blocking		Use at an assay dependent dilution.
IHC-Fr		Use at an assay dependent dilution.

Target

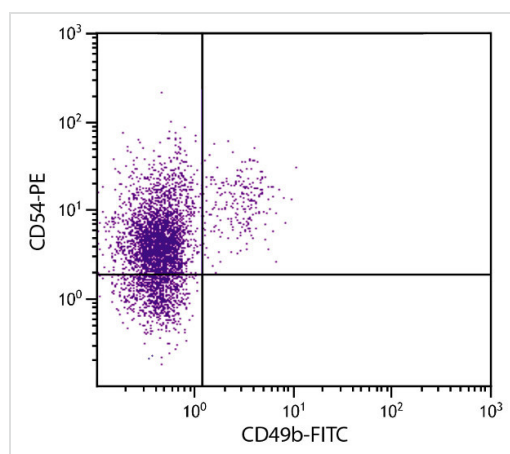
Function ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHO G activation. In case of rhinovirus infection acts as a cellular receptor for the virus.

Sequence similarities Belongs to the immunoglobulin superfamily. ICAM family. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

Post-translational modifications Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.

Cellular localization Membrane.

Images



Flow cytometric analysis of C57BL/6 mouse splenocytes labelling ICAM1 with ab25553 at 0.1 µg/10⁶ cells and labelling CD49b with a Rat Anti-Mouse CD49b-FITC antibody.

Flow Cytometry - Anti-ICAM1 antibody [YN1/1.7.4]
(Phycoerythrin) (ab25553)

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 <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