abcam

ab25007

Biotin Anti-ICAM1 antibody [YN1/1.7.4]

Anti-ICAM1 antibody [YN1/1.7.4] conjugated to Biotin - suitable for flow cytometry, and reacts with mouse samples. Clone [YN1/1.7.4] is a rat monoclonal antibody cited in 95 publications.

Key facts

Isotype	IgG2b
Host species	Rat
Conjugation	Biotin
Storage buffer	pH: 7.4 Preservative: 0.1% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Cell preparation containing Icam1 protein. The exact immunogen used to generate this antibody is proprietary information. Database link P13597
Clone number	YN1/1.7.4
Purification technique	Affinity purification
Light chain type	kappa
Concentration	0.5 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Mouse

Dilution info	1 µg for 10^6 Cells
Notes	ab18542 - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.

Target data

See full target information Icam1

Function	Cell adhesion molecule that functions as a receptor ligand of the signaling receptor ITGAL:ITGB2/LFA-1 (lymphocyte-function associated (LFA) molecule 1) ensuring leukocyte cell-cell adhesion, by providing a calibrated system to namely adjust T-cell killing to the antigen stimulation strength. Also functions as a ligand receptor of the signaling receptor ITGAM:ITGB2/MAC-1 ensuring adhesion between stimulated neutrophils and stimulated endothelial cells. During leukocyte trans-endothelial migration, ICAM1 engagement promotes the assembly of endothelial apical cups through ARHGEF26/SGEF and RHOG activation. Promotes cell aggregation in epithelial cells through interaction with MUC1.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

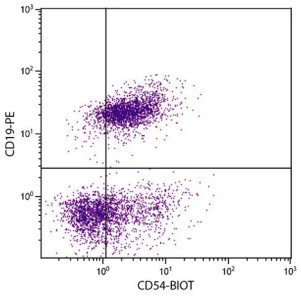
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1 product image



Flow Cytometry - Biotin Anti-ICAM1 antibody [YN1/1.7.4] (ab25007)

ICAM1 Flow Cytometry staining using rat Anti-ICAM1 antibody

Flow cytometric analysis of BALB/c mouse splenocytes labelling ICAM1 with ab25007 at 1 µg/10^6 cells and labelling CD19 with a Rat Anti-Mouse CD19-PE antibody, followed by Streptavidin-FITC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.