

Product datasheet

Anti-ICAM1 antibody [1H4] (PerCP) ab82409

1 References

Overview

Product name	Anti-ICAM1 antibody [1H4] (PerCP)
Description	Mouse monoclonal [1H4] to ICAM1 (PerCP)
Host species	Mouse
Conjugation	PerCP. Ex: 482nm, Em: 675nm
Specificity	ab82409 reacts with ICAM1 expressed on activated endothelial cells, T lymphocytes, B lymphocytes, monocytes, macrophages, granulocytes and dendritic cells; the expression of CD54 is upregulated by activation.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Human
Immunogen	Tissue/ cell preparation of Human Raji cells and spleen cells fused with NS1 cells
Positive control	Human histiocytic lymphoma cell line.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 15mM Sodium Azide Constituents: 0.2% high grade protease free BSA, PBS
Purity	Size exclusion
Purification notes	Conjugate was made from highly purified antibody (>95% by SDS-PAGE).
Clonality	Monoclonal
Clone number	1H4
Isotype	IgG2b

Applications

Our [Abpromise guarantee](#) covers the use of **ab82409** 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
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Flow Cyt

Application notes

Flow Cyt: Use 10µl for 10⁶ cells or 100 ml of whole blood.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

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 RHOG 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.

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