

Anti-ICAM1 antibody [15.2] ab20

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Overview

Product name	Anti-ICAM1 antibody [15.2]
Description	Mouse monoclonal [15.2] to ICAM1
Host species	Mouse
Tested applications	Suitable for: WB Unsuitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human ICAM1. Human monocytes.
Positive control	WB: SK N BE, Saos-2 and HT1080 whole cell lysate. Flow Cytometry: HK-2 cells stimulated with TGF-beta1. IHC: Human amniotic membrane tissues.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze. Store undiluted.
Storage buffer	pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.14% Monobasic dihydrogen sodium phosphate, 0.87% Sodium chloride
Purity	Affinity purified
Purification notes	This purified format is guaranteed to be >90% pure as determined by SDS-PAGE analysis.
Clonality	Monoclonal
Clone number	15.2
Myeloma	Sp2/0
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab20 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 at an assay dependent concentration. Predicted molecular weight: 58 kDa.

Application notes

Is unsuitable for IHC-P.

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.

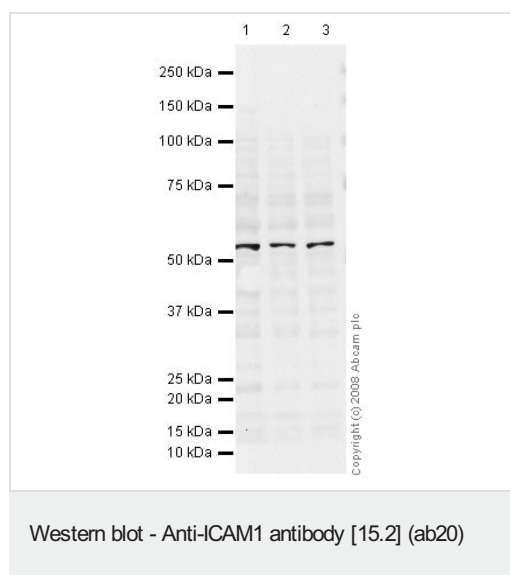
Post-translational modifications

Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.

Cellular localization

Membrane.

Images



All lanes : Anti-ICAM1 antibody [15.2] (ab20) at 5 µg/ml

Lane 1 : SK N BE (Human neuroblastoma) whole cell lysate

Lane 2 : Saos-2 (Human epithelial-like osteosarcoma cell line) whole cell lysate

Lane 3 : HT1080 (Human fibrosarcoma) whole cell lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat polyclonal to Mouse IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Predicted band size: 58 kDa

Observed band size: 58 kDa

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