Product datasheet

Anti-ICAM1 antibody [MEM-111] ab2213

Overview

Product name Anti-ICAM1 antibody [MEM-111]
Description Mouse monoclonal [MEM-111] to ICAM1
Host species Mouse
Specificity This antibody reacts with human CD54 antigen.
Tested applications Suitable for: WB
Species reactivity Reacts with: Human
Immunogen Tissue/ cell preparation (Human). (Burkitt's lymphoma cell line RAJI).
Positive control For WB it is highly recommended to use TNF-alpha activated HUVEC cells as a positive control.

Properties

Form Liquid
Storage instructions Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer pH: 7.40
Preservative: 0.097% Sodium azide
Constituent: PBS
Purity Protein A purified
Clonality Monoclonal
Clone number MEM-111
Myeloma unknown
Isotype IgG2a
Light chain type unknown

Applications

Our Abpromise guarantee covers the use of ab2213 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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.

Target

Images

Western blot - Anti-ICAM1 antibody [MEM-111] (ab2213)

All lanes: Anti-ICAM1 antibody [MEM-111] (ab2213)

Lane 1: TNF-alpha activated HUVEC (Human umbilical vein endothelial cell line) whole cell lysate
Lane 2: TNF-alpha nonactivated HUVEC cells

Performed under non-reducing conditions.

Observed band size: 90 kDa

why is the actual band size different from the predicted?

Lower bands represent tubulin as a loading control.

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