

Product datasheet

Anti-ICAM1 antibody [HM1] ab7222

Overview

Product name	Anti-ICAM1 antibody [HM1]
Description	Mouse monoclonal [HM1] to ICAM1
Host species	Mouse
Tested applications	Suitable for: IHC-Fr, ICC/IF
Species reactivity	Reacts with: Human
Immunogen	Full length protein (Human).

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.065% Sodium azide Constituent: 0.1% BSA
Purity	IgG fraction
Clonality	Monoclonal
Clone number	HM1
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab7222** 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
IHC-Fr		
ICC/IF		

Application notes

The antibody is useful for staining of *in vitro* cultured cells and for staining of frozen sections by means of immunofluorescence and immunohistochemistry.
In vitro cultured cells can be fixed with 1% paraformaldehyde and kept in PBS plus azide before

staining.

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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