

## Product datasheet

# Anti-ICAM1 antibody [HM1] ab7222

### Overview

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

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	PBS with 0.1% BSA and 10 mM sodium azide
<b>Purity</b>	IgG fraction
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	HM1
<b>Isotype</b>	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

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<b>Function</b>	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 RHO G activation. In case of rhinovirus infection acts as a cellular receptor for the virus.
<b>Sequence similarities</b>	Belongs to the immunoglobulin superfamily. ICAM family. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.
<b>Post-translational modifications</b>	Monoubiquitinated, which is promoted by MARCH9 and leads to endocytosis.
<b>Cellular localization</b>	Membrane.

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