

Product datasheet

Anti-ICAM1 antibody [HM1] ab7222

Overview

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|----------------------------|-------------------------------------|
| 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

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|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| Storage buffer | PBS with 0.1% BSA and 10 mM sodium azide |
| 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

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|---|--|
| 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 RHO G 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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