Product name: Anti-ICAM3 antibody [EPR3994-123] ab109405

Description: Rabbit monoclonal [EPR3994-123] to ICAM3

Host species: Rabbit

Tested applications: Suitable for: ICC/IF, WB, IHC-P

Species reactivity: Reacts with: Human

Immunogen: Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.

Positive control: U937, HeLa, Jurkat, HuT-78, Ramos, and THP-1 cell lysates; Human spleen, colon and tonsil tissue.

General notes:
- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free production

For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

Form: Liquid

Storage instructions: Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.

Storage buffer:
- pH: 7.2
- Preservative: 0.05% Sodium azide
- Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant

Purity: Protein A purified

Clonality: Monoclonal
**Clone number**
EPR3994-123

**Isotype**
IgG

### Applications

**The Abpromise guarantee**  
Our Abpromise guarantee covers the use of ab109405 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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</thead>
<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>1/100 - 1/250.</td>
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<tr>
<td>WB</td>
<td></td>
<td>1/1000 - 1/10000. Predicted molecular weight: 60 kDa.</td>
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<tr>
<td>IHC-P</td>
<td></td>
<td>1/500 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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### Target

**Function**  
ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). ICAM3 is also a ligand for integrin alpha-D/beta-2.

**Sequence similarities**  
Belongs to the immunoglobulin superfamily. ICAM family. Contains 5 Ig-like C2-type (immunoglobulin-like) domains.

**Post-translational modifications**  
Upon stimulation by a physiologic stimuli becomes rapidly and transiently phosphorylated on serine residues.  
N-glycosylated; glycans consist of a mixture of tri- and tetra-antennary complex-type chains and high-mannose chains.

**Cellular localization**  
Membrane.

### Images

**All lanes**: Anti-ICAM3 antibody [EPR3994-123] (ab109405) at 1/1000 dilution

- **Lane 1**: U937 cell lysate
- **Lane 2**: Jurkat cell lysate
- **Lane 3**: HuT-78 cell lysate
- **Lane 4**: Ramos cell lysate
- **Lane 5**: THP-1 cell lysate

Lysates/proteins at 10 µg per lane.

**Predicted band size**: 60 kDa
Immunohistochemical analysis of ICAM3 in paraffin-embedded Human spleen tissue using ab109405 at 1/500 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICAM3 antibody [EPR3994-123] (ab109405)

Immunohistochemical analysis of ICAM3 in paraffin-embedded Human colon tissue using ab109405 at 1/500 dilution.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-ICAM3 antibody [EPR3994-123] (ab109405)

Immunocytochemistry/Immunofluorescence - Anti-ICAM3 antibody [EPR3994-123] (ab109405)

This data was developed using the same antibody clone in a different buffer formulation (ab247851).

Immunocytochemistry analysis of HeLa (Human cervix adenocarcinoma epithelial cell) labeling ICAM3 with purified ab247851 at 1/500 dilution. Cells were fixed with 4% Pafaformaldehyde and permeabilised with 0.1% tritonX-100. Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) at 1/1000 (2 µg/ml) was used as the secondary antibody. ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1/200 (2.24 µg/ml) was used as counterstain. Nuclei were stained blue with DAPI.

Negative control: PBS instead of the primary antibody.

Immunocytochemistry/Immunofluorescence - Anti-ICAM3 antibody [EPR3994-123] (ab109405)
Immunohistochemistry analysis of ICAM3 in paraffin-embedded Human tonsil tissue using ab109405 at 1/500 dilution.
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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