CD54 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP2877b

Specification

CD54 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession   P05362

CD54 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 3383

Other Names
Intercellular adhesion molecule 1, ICAM-1, Major group rhinovirus receptor, CD54, ICAM1

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP2877b was selected from the C-term region of human CD54. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

CD54 Antibody (C-term) Blocking Peptide - Protein Information

Name ICAM1

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.

Cellular Location
Membrane; Single-pass type I membrane protein.

CD54 Antibody (C-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

CD54 Antibody (C-term) Blocking Peptide - Images

CD54 Antibody (C-term) Blocking Peptide - Background

CD54 is a cell surface glycoprotein which is typically expressed on endothelial cells and cells of the immune system. It binds to integrins of type CD11a / CD18, or CD11b / CD18 and is also exploited by Rhinovirus as a receptor.

CD54 Antibody (C-term) Blocking Peptide - References

Podgrabinska,S., J. Immunol. 183 (3), 1767-1779 (2009)Navarro-Hernandez,R.E., Dis. Markers 26 (3), 119-126 (2009)