

Anti-Hu CD48 Purified Monoclonal Antibody

Catalog Number: M03281-1

About CD48

CD48 (Blast-1) belongs to the CD2 subset of the Ig superfamily, which includes CD2, CD2F-10, CD58, CD84, CD150, CD229, CD244 and others. These molecules bind to the same or another members of their family, thus mediate homotypic or heterotypic adhesion. CD48 is a GPI-anchored protein broadly expressed on hematopoietic cells and serves as a high affinity ligand for 2B4 and low affinity ligand for CD2. 2B4-CD48 interaction among NK cells and NK-T cells regulates cell proliferation. Signaling through CD48 results in eosinophil activation and CD48 expression is increased in several infectious diseases.

Overview

Product Name	Anti-Hu CD48 Purified Monoclonal Antibody
Reactive Species	Human, Primate
Description	Boster Bio Anti-Hu CD48 Purified Monoclonal Antibody (Catalog# M03281-1). Tested in Flow Cytometry, IP, WB, IHC-P application(s). This antibody reacts with Primate, Human.
Application	Flow Cytometry, IP, IHC-P, WB
Clonality	Monoclonal MEM-102
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P09326

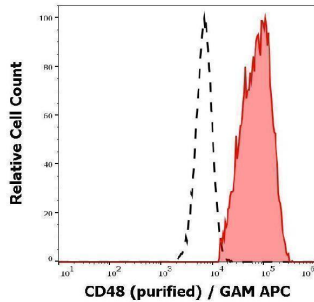
Technical Details

Immunogen	Raji human Burkitt's lymphoma cell line. The antibody MEM-102 reacts with CD48 (Blast-1), a 40-47 kDa GPI-anchored extracellular membrane protein (immunoglobulin supergene family) widely expressed on hematopoietic cells; it is negative on granulocytes, platelets and erythrocytes.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

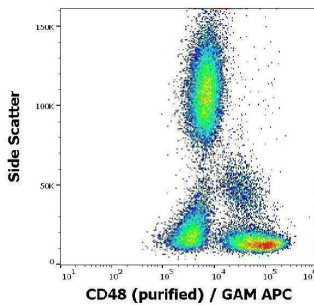
Suggested Dilutions

Flow cytometry: 2 ug/ml.
Immunohistochemistry: 5-10 ug/ml.

Anti-Hu CD48 Purified Monoclonal Antibody (M03281-1) Images



Separation of CD48 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood using anti-human CD48 (MEM-102) purified antibody (concentration in sample 3 µg/ml, GAM APC).



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD48 (MEM-102) purified antibody (concentration in sample 3 µg/ml, GAM APC).

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