

Anti-Hu CD102 Purified ICAM2 Monoclonal Antibody

Catalog Number: M04901

About ICAM2

CD102 / ICAM-2 (intracellular cell adhesion molecule-2), a counter receptor of LFA-1 (CD11a/CD18), is a transmembrane glycoprotein with two extracellular IgC-like domains and intracellular C-terminal tail. It is involved in lymphocyte recirculation and homing to the sites of inflammation. Through interaction with integrins it provides to the immune cells costimulatory signals. Expression of CD102 on blood cells (lymphocytes, monocytes, thrombocytes) is lower than on endothelium and follicular dendritic cells. CD102 levels are upregulated in lymph nodes with malignant infiltration.

Overview

Product Name	Anti-Hu CD102 Purified ICAM2 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD102 Purified ICAM2 Monoclonal Antibody (Catalog# M04901). Tested in Flow Cytometry, IP, IHC-F application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, IHC-F
Clonality	Monoclonal CBR-IC2/2
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	P13598

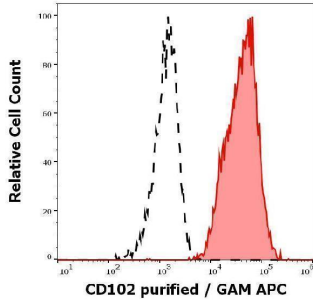
Technical Details

Immunogen	Human CD102 cDNA transfected COS cells. The mouse monoclonal antibody CBR-IC2/2 recognizes an extracellular epitope of CD102 (ICAM-2), an approximately 55 kDa type I transmembrane glycoprotein expressed mainly on vascular endothelial cells and follicular dendritic cells, in lower amount on lymphocytes, monocytes and platelets.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody does not cross-react with Thy-1.1 alloantigen.
Isotype	Mouse IgG2a
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

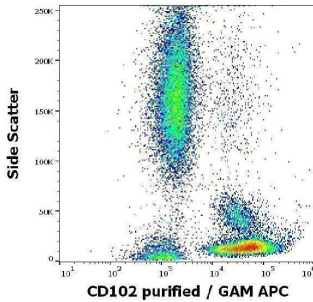
Suggested Dilutions

Flow cytometry: 2-4 ug/ml.

Anti-Hu CD102 Purified ICAM2 Monoclonal Antibody (M04901) Images



Separation of human lymphocytes stained using anti-human CD102 (CBR-IC2/2) purified antibody (concentration in sample 0.6 $\mu\text{g/ml}$, GAM APC) from lymphocytes unstained by primary antibody (GAM APC, black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood.



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD102 (CBR-IC2/2) purified antibody (concentration in sample 0.6 $\mu\text{g/ml}$) GAM APC.

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