

Anti-CD370 Purified CLEC9A Monoclonal Antibody

Catalog Number: M04577

About CLEC9A

CD370 / CLEC9A, also known as DNGR1, is a type II transmembrane glycoprotein with extracellular C-type lectin domain and intracellular ITAM-containing domain. Its expression is restricted to BDCA3+ conventional dendritic cells and to a subset of CD14+ CD16- monocytes. CD370 serves as a receptor for ubiquitous preformed acid-labile protein associated ligands that are exposed when the cell membrane is damaged, such as on necrotic cells. Its triggering by these ligands mediates recruitment and activation of the tyrosine kinase Syk and leads to their cross-presentation to the immune system.

Overview

Product Name	Anti-CD370 Purified CLEC9A Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-CD370 Purified CLEC9A Monoclonal Antibody (Catalog# M04577). Tested in Flow Cytometry, ICC application(s). This antibody reacts with Human.
Application	Flow Cytometry, ICC
Clonality	Monoclonal 8F9
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	Q6UXN8

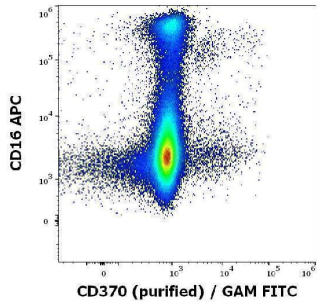
Technical Details

Immunogen	RBL-2H3 cells expressing human CLEC9A fused to an HA epitope. The mouse monoclonal antibody 8F9 recognizes an extracellular epitope of CD370 / CLEC9A (DNGR1), a type II transmembrane protein functioning as an endocytic receptor on BDCA31+ dendritic cells and on a subset of CD14+ CD16- monocytes.
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.

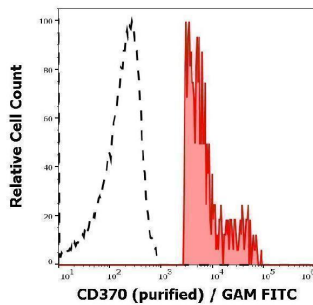
Suggested Dilutions

Flow cytometry: 1-4 $\mu\text{g/ml}$

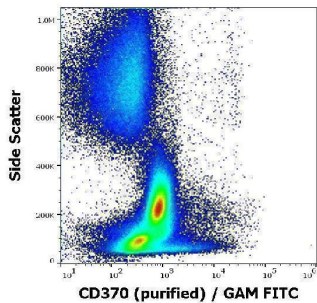
Anti-CD370 Purified CLEC9A Monoclonal Antibody (M04577) Images



Flow cytometry multicolor surface staining of human myeloid cells stained using anti-human CD370 (8F9) purified antibody (concentration in sample 1,67 µg/ml, GAM FITC) and anti-human CD16 (3G8) APC antibody (10 µl reagent / 100 µl of peripheral whole blood).



Separation of human CD370 positive CD16 positive dendritic cells (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD370 (8F9) purified antibody (concentration in sample 1,67 µg/ml) GAM FITC.



Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD370 (8F9) purified antibody (concentration in sample 1,67 µg/ml) GAM FITC.

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