

Anti-Hu CD157 Purified BST1 Monoclonal Antibody

Catalog Number: M05818

About BST1

CD157 (cADPr hydrolase 2) is a GPI-anchored ectoenzyme possessing ADP-ribosyl cyclase and cyclic ADP-ribose hydrolase activity. It uses NAD and cADP-ribose as substrates. CD157 is expressed on granulocytes, monocytes, macrophages, follicular dendritic cells, bone marrow stromal cells and human umbilical cord vein endothelial cells. In case of rheumatoid arthritis its expression is often higher and it is also differentially expressed in the myeloid leukemias. It may also have a signaling role.

Overview

Product Name	Anti-Hu CD157 Purified BST1 Monoclonal Antibody
Reactive Species	Human, Primate
Description	Boster Bio Anti-Hu CD157 Purified BST1 Monoclonal Antibody (Catalog# M05818). Tested in Flow Cytometry, IP, WB, IHC-F application(s). This antibody reacts with Primate, Human.
Application	Flow Cytometry, IP, IHC-F, WB
Clonality	Monoclonal SY11B5
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	Q10588

Technical Details

Immunogen	Human CD157. The mouse monoclonal antibody SY11B5 recognizes CD157, an approximately 45 kDa GPI-anchored extracellular protein expressed mainly on monocytes, macrophages, granulocytes and bone marrow stromal cells.
Predicted Reactive Species	Primate
Cross Reactivity	This antibody weakly cross-reacts with murine SIT.
Isotype	Mouse IgG1 kappa
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Western blotting: Non-reducing conditions.

Immunohistochemistry: 5-10 ug/ml.

Flow cytometry: 1-12 µg/ml

Anti-Hu CD157 Purified BST1 Monoclonal Antibody (M05818) Images

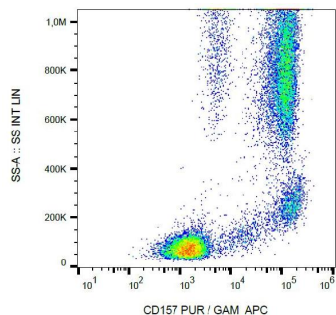


Figure 1. Flow Cytometry validation of BST1 using Anti-Hu CD157 Purified BST1 Monoclonal Antibody (M05818).

Flow cytometry analysis (surface staining) of human peripheral blood leukocytes with anti-human CD157 (SY11B5) purified / GAM-APC.

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