ARG42333
anti-CD157 / BST1 antibody [SY11B5] (FITC)

Package: 50 tests
Store at: 4°C

Summary

Product Description	FITC-conjugated Mouse Monoclonal antibody [SY11B5] recognizes CD157 / BST1
Tested Reactivity	Hu, NHuPrm
Tested Application	FACS
Specificity	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.
Host	Mouse
Clonality	Monoclonal
Clone	SY11B5
Isotype	IgG1, kappa
Target Name	CD157 / BST1
Species	Human
Immunogen	Human CD157.
Conjugation	FITC
Alternate Names	cADPr hydrolase 2; ADP-ribosyl cyclase 2; Cyclic ADP-ribose hydrolase 2; BST-1; Bone marrow stromal antigen 1; CD157; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2; CD antigen CD157; EC 3.2.2.6

Application Instructions

Application table

Application	Dilution
FACS	4 µl / 100 µl of whole blood or 10^6 cells

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

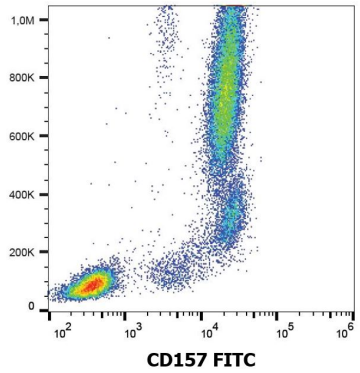
Properties

Form	Liquid
Purification	Purified
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	BST1
Gene Full Name	bone marrow stromal cell antigen 1
Background	Bone marrow stromal cell antigen-1 is a stromal cell line-derived glycosylphosphatidylinositol-anchored molecule that facilitates pre-B-cell growth. The deduced amino acid sequence exhibits 33% similarity with CD38. BST1 expression is enhanced in bone marrow stromal cell lines derived from patients with rheumatoid arthritis. The polyclonal B-cell abnormalities in rheumatoid arthritis may be, at least in part, attributed to BST1 overexpression in the stromal cell population. [provided by RefSeq, Jul 2008]
Function	Synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger that elicits calcium release from intracellular stores. May be involved in pre-B-cell growth. [UniProt]
Calculated Mw	36 kDa
Cellular Localization	Cell membrane; Lipid-anchor, GPI-anchor. [UniProt]

Images



ARG42333 anti-CD157 / BST1 antibody [SY11B5] (FITC) FACS image

Flow Cytometry: Human peripheral blood leukocytes stained with ARG42333 anti-CD157 / BST1 antibody [SY11B5] (FITC).