

Datasheet for ABIN2662601
anti-BST2 antibody (PE)



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Overview

Quantity:	100 tests
Target:	BST2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BST2 antibody is conjugated to PE
Application:	Flow Cytometry (FACS), Immunocytochemistry (ICC), Intracellular Flow Cytometry (ICFC)

Product Details

Clone:	RS38E
Isotype:	IgG1 kappa
Cross-Reactivity:	Pigtailed Macaque, Rhesus Monkey
Purification:	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Target Details

Target:	BST2
Alternative Name:	CD317 (BST2 Products)
Background:	CD317, also known as BST2, Tetherin, and HM1.24, is a type II transmembrane GPI-protein with a molecular weight of about 29-33 kD. It is an interferon-induced protein expressed on dendritic cells, plasma cells, B lymphoblast cells, monocytes, granulocytes, T cells, NK cells, stromal

Target Details

cells, and some non-hematopoietic cells. BST2 inhibits cytokine production through interaction with ILT7 (CD85g). It is also involved in the regulation of B cell growth. More importantly, BST2 has been found to restrict the release of a number of viruses from infected cells, including all tested retroviruses (such as HIV-1) and some arenaviruses and filoviruses. In HIV-1 studies, it has been reported that BST2 retains the nascent virions on the surface of infected cells by incorporation of the protein into HIV-1 particles. HIV-1 Vpu is able to induce BST2 degradation.

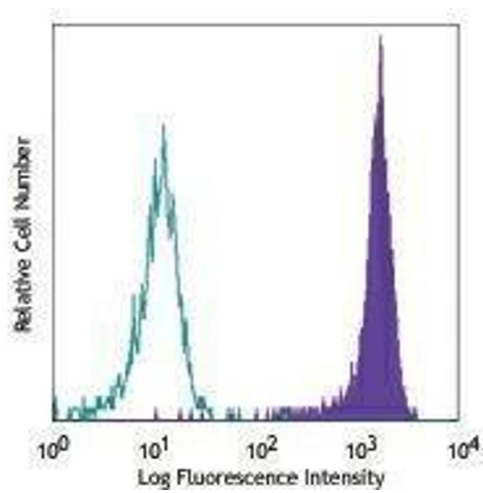
Pathways:	Regulation of Leukocyte Mediated Immunity , Production of Molecular Mediator of Immune Response
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Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Buffer:	Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide and 0.2 % (w/v) BSA .
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from prolonged exposure to light. Do not freeze.
Storage:	4 °C
Storage Comment:	The antibody solution should be stored undiluted between 2°C and 8°C.



Flow Cytometry

Image 1.