

Datasheet for ABIN2664559

anti-BST2 antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	BST2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BST2 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Blocking Reagent (BR), Depletion (Dep)

Product Details

Clone:	RS38E
Isotype:	IgG1 kappa
Cross-Reactivity:	Pigtailed Macaque, Rhesus Monkey
Purification:	The antibody was purified by affinity chromatography.

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 cells, and some non-hematopoietic cells. BST2 inhibits cytokine production through interaction

Target Details

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](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

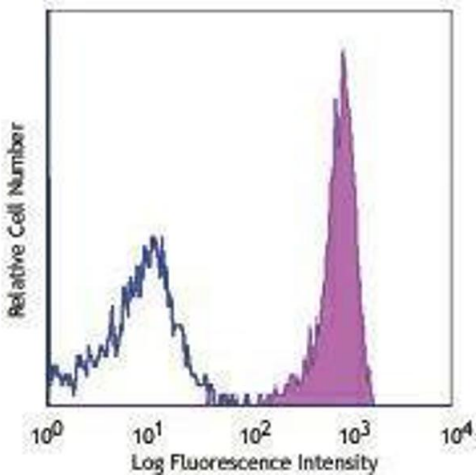
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.

Images



Flow Cytometry

Image 1.