

Datasheet for ABIN5027751
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:	Western Blotting (WB), Flow Cytometry (FACS)

Product Details

Immunogen:	Full length recombinant protein of BST 2 was used as the immunogen for this antibody.
Clone:	ABM52D8
Isotype:	IgG1 kappa
Purification:	Protein G Chromatography

Target Details

Target:	BST2
Alternative Name:	BST 2 (BST2 Products)
Background:	BST2 (Bone Marrow Stromal Antigen 2), a type II transmembrane protein also known as HM1.24/CD317, has been identified to be overexpressed in a variety of cell lines from different cancer types, including multiple myeloma, breast, lung, and kidney cancers. BST2 was discovered as a marker of differentiated B cells and was later rediscovered as a potent antiviral

Target Details

restriction factor with the ability to tether enveloped viruses to the cell membrane of infected cells via its GPI anchor as well as to potently inhibit virus replication in cultured cells and in vivo. It also acts as an innate immune sensor of HIV-1 that elicits an inflammatory response upon exposure. BST2 mediate host immune response by activating NF-KB through interaction with TAK1 (Transforming Growth Factor Beta-Activated Kinase 1) and TNF receptor associated factors (TRAFs) 2 and 6. In addition, BST2 induces ADCC (antibody-dependent cell cytotoxicity) against the envelope protein of HIV. BST2 was expressed constitutively on the cell surface of both CD3- and CD3+ thymocytes ex vivo.

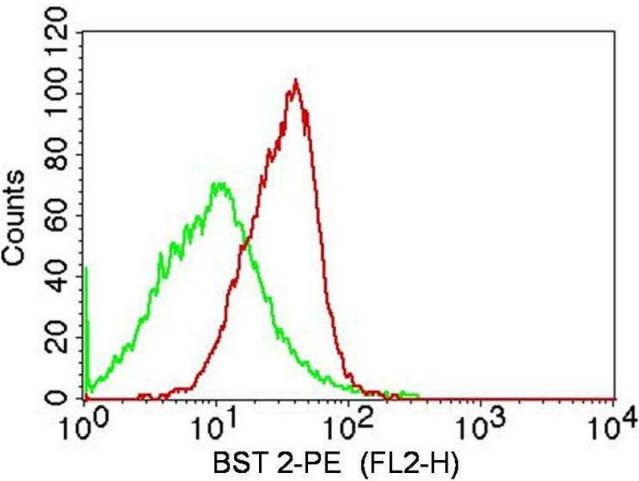
Molecular Weight:	17 kDa
Gene ID:	684
UniProt:	Q10589
Pathways:	Regulation of Leukocyte Mediated Immunity , Production of Molecular Mediator of Immune Response

Application Details

Application Notes:	WB: 2-4 µg/mL, FACS: 0.5-1 µg/10 ⁶
Restrictions:	For Research Use only

Handling

Concentration:	0.5 mg/mL
Buffer:	PBS containing 0.05 % BSA, PH 7.4
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/-20 °C
Storage Comment:	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.



Flow Cytometry

Image 1.