

Recombinant BST2 / Tetherin / CD317 (Target for Tumor Immunotherapy) Antibody

Rabbit Monoclonal Antibody [Clone BST2/13682R]

Catalog No	Format	Size
684-RBM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
684-RBM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
684-RBM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

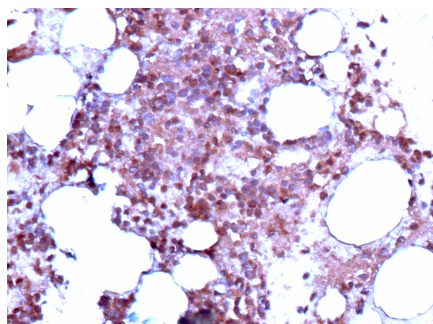
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Western Blot (WB)	2-4ug/ml	

Product Details

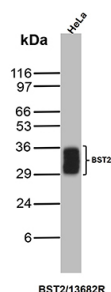
Clone	BST2/13682R
Gene Name	BST2
Immunogen	Recombinant BST2 protein
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	30-36kDa
Cellular Localization	Cell membrane, Cytoplasm
Species Reactivity	Human
Positive Control	Human adrenal gland or ovary. HeLa, HEK293T or SiHa cells.

*Optimal dilution for a specific application should be determined.

Product Images for Recombinant BST2 / Tetherin / CD317 (Target for Tumor Immunotherapy) Antibody

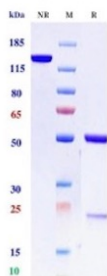


Formalin-fixed, paraffin-embedded human bone marrow stained with Tetherin Recombinant Rabbit Monoclonal Antibody (BST2/13682R). HIER: Tris/EDTA, pH9.0, 45min. 2°: HRP-polymer, 30min. DAB, 5min.



Western blot analysis of HeLa lysate using BST2 / Tetherin Recombinant Rabbit Monoclonal Antibody (BST2/13682R).

Purity: SDS-PAGE



SDS-PAGE under non-reducing (NR) and reducing (R) conditions. The gel was stained with Coomassie Blue. The purity of the protein is 95%.

SDS-PAGE Analysis of Purified Tetherin Recombinant Rabbit Monoclonal Antibody (BST2/13682R). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Bone marrow stromal cells act as regulators for B-cell growth and development through their surface molecules and cytokines. Bone marrow stromal antigen-2 (BST-2), also designated CD317 antigen, is a single-pass type II membrane protein. BST-2, which is expressed mainly on synovial cell lines and bone marrow stromal cell lines, is primarily expressed in liver, heart, placenta and lung tissues. BST-2 is thought to be involved in pre-B cell growth. It has been implicated in B cell activation in rheumatoid arthritis. IFN-induced antiviral host restriction factor which efficiently blocks the release of diverse mammalian enveloped viruses by directly tethering nascent virions to the membranes of infected cells. Acts as a direct physical tether, holding virions to the cell membrane and linking virions to each other. The tethered virions can be internalized by endocytosis and subsequently degraded or they can remain on the cell surface. In either case, their spread as cell-free virions is restricted. Its target viruses belong to diverse families, including retroviridae: human immunodeficiency virus type 1 (HIV-1), mouse mammary tumor virus (MMTV) and murine leukemia virus (MLV), filoviridae: ebola virus (EBOV), arenaviridae: lassa virus (LASV), and rhabdoviridae: vesicular stomatitis virus (VSV). Can inhibit cell surface proteolytic activity of MMP14 causing decreased activation of MMP15 which results in inhibition of cell growth and migration. Can stimulate signaling by LILRA4/ILT7 and consequently provide negative feedback to the production of IFN by plasmacytoid dendritic cells in response to viral infection. Plays a role in the organization of the subapical actin cytoskeleton in polarized epithelial cells.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in CHO cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

AKT Signaling, Breast Cancer, Colorectal Cancer, Cytokine Signaling, Dendritic Cell Marker, Epigenetics, Immunology, Infectious Disease, MAPK Signaling, Mast Cell Marker