

For Research Use Only

Anti-Human BST2 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98305-2-PBS



Basic Information

Catalog Number:	98305-2-PBS	GenBank Accession Number:	BC033873	Purification Method:	Protein A purification
Size:	1mg, 3 mg/ml	GeneID (NCBI):	684	CloneNo.:	250317H5
Source:	Rabbit	UNIPROT ID:	Q10589		
Isotype:	IgG	Full Name:	bone marrow stromal cell antigen 2		
Immunogen Catalog Number:	EG1961	Calculated MW:	180 aa, 20 kDa		

Applications

Tested Applications:
FC
Species Specificity:
human

Background Information

BST2, also named as CD317 and Tetherin, belongs to the tetherin family. It may be involved in the sorting of secreted proteins and it is involved in pre-B-cell growth. BST2 is an antiretroviral defense protein, that blocks release of retrovirus from the cell surface. Depleted upon HIV-1 infection by viral VPU protein through 20S proteasome degradation. Depleted upon infection by human Kaposi's sarcoma-associated herpesvirus (KSHV) through ubiquitination and subsequent degradation. BST2 may play a role in B-cell activation in rheumatoid arthritis. It is recently identified interferon-induced cellular proteins that restrict infections by retroviruses and filoviruses and of influenza virus and flaviviruses, respectively. BST2 is a plasma membrane proteins, tetherin inhibits virion particle release from infected cells. BST2 is effective against retroviruses and flavoviruses whilst IFITMs disrupt influenza and flavivirus infection. Observed MW of BST2 is 30-36 kDa (PMID: 19196977; 21237475).

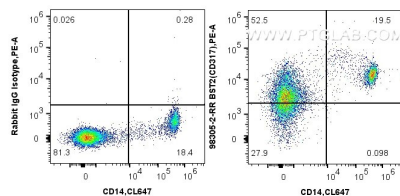
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

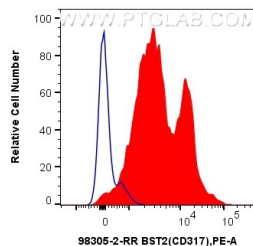
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human BST2 Rabbit RecAb (98305-2-RR, Clone: 250317H5) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were then stained with CoraLite® Plus 647 Anti-Human CD14. Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98305-2-PBS in a



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human BST2 Rabbit RecAb (98305-2-RR, Clone: 250317H5) (red) or Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue), and PE-Conjugated Goat Anti-Rabbit IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed. This data was developed using the same antibody clone with 98305-2-PBS in a different storage buffer formulation.