

Human BST2 Protein

Cat. No. BST-HM102



Description	
Source	Recombinant Human BST2 Protein is expressed from HEK293 with His tag at the N-Terminus. It contains Asn49-Ser161.
Accession	Q10589-1
Molecular Weight	The protein has a predicted MW of 14.5 kDa. Due to glycosylation, the protein migrates to 25-35 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Interferon-induced BST2 (bone marrow stromal cell antigen 2) inhibits viral replication by tethering enveloped virions to the cell surface to restrict viral release and by inducing the NFKB-dependent antiviral immune response. BST2 expression was significantly increased during porcine epidemic diarrhea virus (PEDV) infection of Vero cells by IRF1 targeting its promoter. Both the BST2 and N protein interacted with the E3 ubiquitin ligase MARCHF8/MARCH8 and the cargo receptor.	

Assay Data

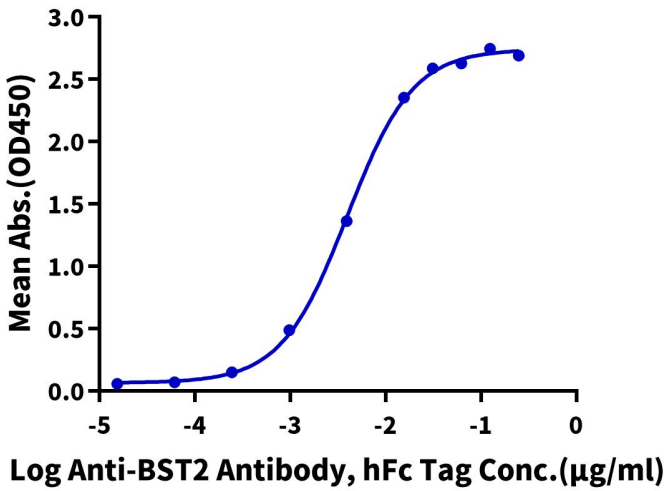
Bis-Tris PAGE



ELISA Data

Human BST2, His Tag ELISA

0.2µg Human BST2, His Tag Per Well



Immobilized Human BST2, His Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Anti-BST2 Antibody, hFc Tag with the EC50 of 4.0ng/ml determined by ELISA (QC Test).