

Bioactive

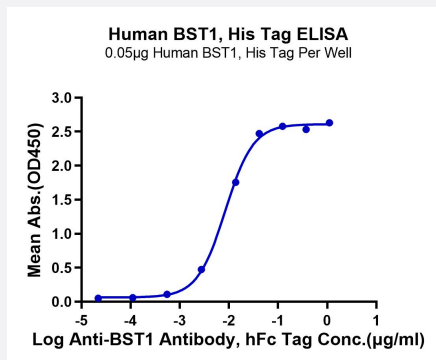
HuPro®

BST1 (Human) Recombinant Protein

Catalog # P9888

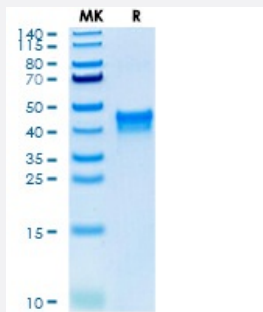
Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Human BST1, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-BST1 Antibody, hFc Tag with the EC50 of 8.4 ng/mL determined by ELISA.



Tris-Bis PAGE

Human BST1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human BST1 (Q10588-1, Gly29-Ala293) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Gly29-Ala293
Host	Human
Theoretical MW (kDa)	31.2
Form	Lyophilized

Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC ₅₀ was 8.4 ng/mL, measured by ELISA at 0.5 ug/mL.
Quality Control Testing	Tris-Bis PAGE Tris-Bis PAGE Human BST1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

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- Functional Study

- SDS-PAGE

Gene Info — BST1

Entrez GeneID	683
Protein Accession#	Q10588-1
Gene Name	BST1
Gene Alias	CD157
Gene Description	bone marrow stromal cell antigen 1

Omim ID [600387](#)

Gene Ontology [Hyperlink](#)

Gene Summary Bone marrow stromal cell antigen-1 is a stromal cell line-derived glycosylphosphatidylinositol-anchored molecule that facilitates pre-B-cell growth. The deduced amino acid sequence exhibits 33 % similarity with CD38. BST1 expression is enhanced in bone marrow stromal cell lines derived from patients with rheumatoid arthritis. The polyclonal B-cell abnormalities in rheumatoid arthritis may be, at least in part, attributed to BST1 overexpression in the stromal cell population. [provided by RefSeq]

Other Designations -

Pathway

- [Calcium signaling pathway](#)
- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Parkinson Disease](#)