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Product datasheet for TA812180S

Bone marrow stromal cell antigen 1 (BST1) Mouse Monoclonal Antibody [Clone ID: OTI4E3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4E3
Applications:	WB
Recommended Dilution:	WB 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 29-318 of human BST1 (NP_004325) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	35.5 kDa
Gene Name:	bone marrow stromal cell antigen 1
Database Link:	NP_004325 Entrez Gene 683 Human Q10588
Background:	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, Jul 2008]

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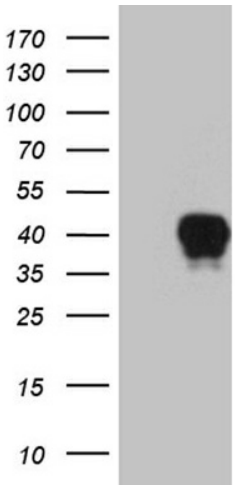
Synonyms: CD157

Protein Families: Transmembrane

Protein Pathways: Calcium signaling pathway, Metabolic pathways, Nicotinate and nicotinamide metabolism

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY BST1 (Cat# [RC204151], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BST1 (Cat# [TA812180]). Positive lysates [LY418052] (100ug) and [LC418052] (20ug) can be purchased separately from OriGene.