

Product datasheet for TA812180

OriGene Technologies, Inc.

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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]





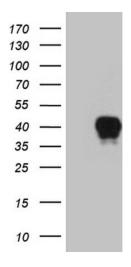
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Synonyms: CD157

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.