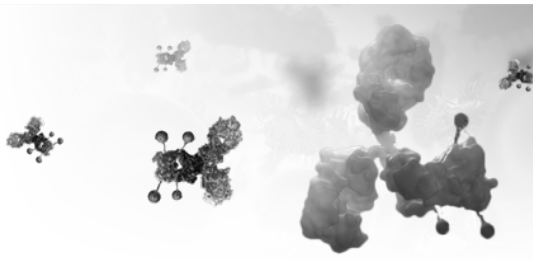

Rat Anti-Mouse CD317 (BST2, PDCA-1) Monoclonal antibody, clone 927 (CABT-L4537)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	The 927 monoclonal antibody reacts with mouse CD317 also known as BST2 and PDCA-1, a 29-33 kDa type II transmembrane glycoprotein. CD317 is expressed exclusively by plasmacytoid dendritic cells in naïve mice and serves as a marker for these cells. CD317 is also sometimes expressed by some tumor cells, including multiple myeloma, renal cell carcinoma, and melanoma cells. The 927 antibody is a useful tool to specifically deplete plasmacytoid dendritic cells when administered in vivo.
Target	Mouse CD317 (BST2, PDCA-1)
Immunogen	Mouse type I IFN-producing cells
Isotype	IgG2b, κ
Source/Host	Rat
Species Reactivity	Mouse
Clone	927
Purification	Protein G purified. Purity>95%. Determined by SDS-PAGE
Conjugate	Functional Grade
Applications	in vivo pDC depletion, IF, FC
Molecular Weight	150 kDa
Format	0.2 μM filtered liquid. Purified from tissue culture supernatant in an animal free facility
Concentration	Lot specific

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Size	5 mg
Buffer	PBS, pH 7.0. Contains no stabilizers or preservatives. [low endotoxin azide-free] Endotoxin level: <2EU/mg (<0.002EU/μg). Determined by LAL gel clotting assay Related dilution buffer: CABT-LB04
Preservative	None
Storage	The antibody solution should be stored undiluted at 4°C, and protected from prolonged exposure to light. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Bone marrow stromal cells are involved in the growth and development of B-cells. The specific function of the protein encoded by the bone marrow stromal cell antigen 2 is undetermined; however, this protein may play a role in pre-B-cell growth and in rheumatoid arthritis.
Keywords	BST2;bone marrow stromal cell antigen 2;bone marrow stromal antigen 2;CD317;tetherin;BST-2;NPC-A-7;HM1.24 antigen;TETHERIN;

GENE INFORMATION

Official Symbol	bone marrow stromal cell antigen 2
Synonyms	BST2; bone marrow stromal cell antigen 2; bone marrow stromal antigen 2; CD317; tetherin; BST-2; NPC-A-7; HM1.24 antigen; TETHERIN;
References	Nash, W. T., et al. (2017). "Murine Cytomegalovirus Disrupts Splenic Dendritic Cell Subsets via Type I Interferon-Dependent and -Independent Mechanisms." Front Immunol 8: 251. PubMed;

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