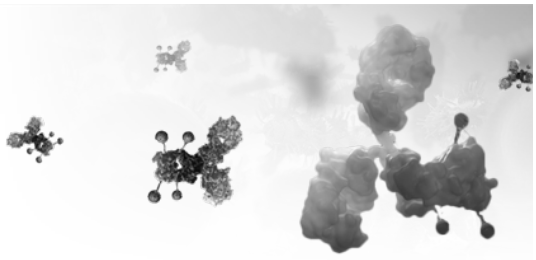

Mouse Anti-Human CD157 monoclonal antibody, clone NN16 (CABT-ZB507)

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

PRODUCT INFORMATION

Specificity	It reacts with Human CD157
Target	BST1
Immunogen	Recombinant Human BST-1 protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN16
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA, ELISA(cap) This antibody will detect CD157 in antibody pair set. [ABPR-ZB083]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human BST-1 / CD157.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 200 µL, 1 mL

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Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	The cluster of differentiation (CD) system is commonly used as cell markers in immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD157, also known as ADP-ribosyl cyclase 2, is an ectoenzyme sharing several characteristics with ADP-ribosyl cyclase CD38. CD157 was originally identified as a bone marrow stromal cell molecule (BST-1) with a glycosylphosphatidylinositol (GPI) anchor to bind to the cell surface. CD157 is prevalently expressed by cells of the myeloid lineage. CD157 could act as a receptor with signal transduction capability. Further, it regulates calcium homeostasis and promotes polarization in neutrophils and mediates superoxide (O_2^-) production in the human U937 myeloid line.
Keywords	BST1; bone marrow stromal cell antigen 1; CD157; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2

GENE INFORMATION

Synonyms	BST1; bone marrow stromal cell antigen 1; CD157; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2; BST-1; cADPr hydrolase 2; NAD(+) nucleosidase; ADP-ribosyl cyclase 2; bone marrow stromal antigen 1; cyclic ADP-ribose hydrolase 2
Entrez Gene ID	683
UniProt ID	Q10588

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