

ARG83229 Human CD157 / BST1 ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG83229 Human CD157 / BST1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human CD157 / BST1 in Serum, Plasma and Cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	CD157 / BST1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	15 pg/ml
Detection Range	156 pg/ml - 10,000 pg/ml
Sample Type	Serum, Plasma and Cell culture supernatants
Precision	Intra-Assay CV: 4.2% Inter-Assay CV: 5.1%
Alternate Names	cADPr hydrolase 2; ADP-ribosyl cyclase 2; Cyclic ADP-ribose hydrolase 2; BST-1; Bone marrow stromal antigen 1; CD157; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 2; CD antigen CD157; EC 3.2.2.6

Application Instructions

Assay Time	~ 5 hours
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Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

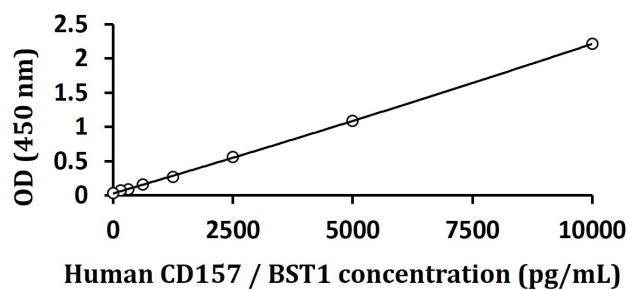
Bioinformation

Gene Symbol	BST1
Gene Full Name	bone marrow stromal cell antigen 1
Background	CD157 (cADPr hydrolase 2) is a GPI-anchored ectoenzyme possessing ADP-ribosyl cyclase and cyclic ADP-ribose hydrolase activity. It uses NAD and cADP-ribose as substrates. CD157 is expressed on granulocytes, monocytes, macrophages, follicular dendritic cells, bone marrow stromal cells and human umbilical cord vein endothelial cells. In case of rheumatoid arthritis is expression is often higher and it is also differentially expressed in the myeloid leukemias. It may also have a signaling role.

Function Synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger that elicits calcium release from intracellular stores. May be involved in pre-B-cell growth. [UniProt]

Research Area Immune System antibody; Signaling Transduction antibody

Images



ARG83229 Human CD157 / BST1 ELISA Kit standard curve image

ARG83229 Human CD157 / BST1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.