



Rabbit Anti-Human CD38 monoclonal antibody, clone S178 (CABT-ZB800)

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

PRODUCT INFORMATION

Specificity	It reacts with Human CD38
Target	CD38
Immunogen	Recombinant Human CD38/ADPRC1 Protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	S178
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(cap) This antibody will detect CD38 in antibody pair set. [ABPR-ZB380]
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human CD38 / ADPRC1.
Format	Purified, Liquid
Concentration	Lot specific
Size	50 µL, 100 µL, 1 mL
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. Cluster of differentiation 38 (CD38), also known as ADP-ribosyl cyclase, is a glycoprotein found on the surface of many immune cells (white blood cells), including CD4+, CD8+, B and natural killer cells. It shares several characteristics with ADP-ribosyl cyclase 2 CD157. CD38 is a multifunctional ectoenzyme that catalyzes the synthesis and hydrolysis of cyclic ADP-ribose (cADPR) from NAD+ to ADP-ribose. It also functions in cell adhesion, signal transduction and calcium signaling. CD38 has been used as a prognostic marker in leukemia. It can also be used to identify plasma cells.
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Keywords	CD38; CD38 antigen; ADPRC 1; Cd38-rs1
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GENE INFORMATION

Synonyms	CD38; CD38 antigen; ADPRC 1; Cd38-rs1; ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1; I-19; NIM-R5 antigen; cADPr hydrolase 1; ADP-ribosyl cyclase 1; cyclic ADP-ribose hydrolase 1
Entrez Gene ID	915
UniProt ID	P28907