



Rabbit Anti-Human CD38 Monoclonal Antibody, clone CQ7193 (CABT-Z247R)

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

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to residues within aa200-300 of CD38 was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7193
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	34 kDa
Cellular Localization	Membrane
Positive Control	Tonsil
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	CD38, also known as ADP-ribosyl cyclase, synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion. CD38 also has cADPr hydrolase activity. It is found on immature cells of the B and T cell lineages but not on most mature resting peripheral lymphocytes. It is also present on thymocytes, pre-B cells, germinal center B cells, mitogen-activated T cells, Ig-secreting plasma cells, monocytes, NK cells, erythroid and myeloid progenitors in the bone marrow and brain cells. CD38 is used to identify plasma cells and plasmablastic differentiation, and evaluate the prognosis for B-cell chronic lymphocytic leukemia (CLL) patients.
Keywords	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

GENE INFORMATION

Gene Name	CD38
Entrez Gene ID	952
UniProt ID	P28907