



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 |