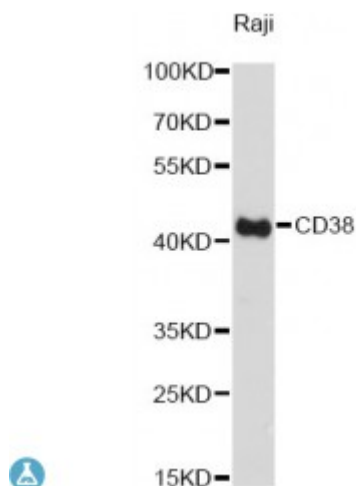


Anti-CD38 Antibody



Description

The protein encoded by this gene is a non-lineage-restricted, type II transmembrane glycoprotein that synthesizes and hydrolyzes cyclic adenosine 5'-diphosphate-ribose, an intracellular calcium ion mobilizing messenger. The release of soluble protein and the ability of membrane-bound protein to become internalized indicate both extracellular and intracellular functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants.

Model	STJ115571
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 46-300 of human CD38 (NP_001766.2).
Gene ID	952
Gene Symbol	CD38
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Expressed at high levels in pancreas, liver, kidney, brain, testis, ovary, placenta, malignant lymphoma and neuroblastoma

Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
Molecular Weight	34.328 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:1667OMIM:107270Reactome:R-HSA-196807
Alternative Names	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1
Function	Synthesizes the second messengers cyclic ADP-ribose and nicotinate-adenine dinucleotide phosphate, the former a second messenger for glucose-induced insulin secretion, Also has cADPr hydrolase activity, Also moonlights as a receptor in cells of the immune system
Cellular Localization	Membrane

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