For Research Use Only

CD38 Polyclonal antibody Catalog Number: 31891-1-AP

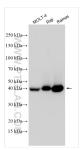
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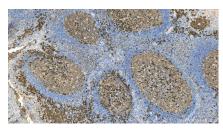
Size: GeneID (NCB)): Recommended Dilutions: 450 ug/ml 952 WB 1:2000-11:0000 Source: ENSEMBL Gene ID: IHC 1:200-1:800 Rabbit ENSGO00000468 IHC 1:200-1:800 Isotype: UNPROT ID: IgG Igg 2 P28907 Full Name: CD38 malecule Calculated MW: 300 aa, 34 kDa Observed MW: 40 kDa Observed MW: 40 kDa WB :MCLT-4 cells, Raji cells, Ramos cells Species Specificity: HC: human tonsillitis tissue, with TE buffier pH 90; (*) Alternatively, antigen retrieval imay be performed with citrate buffier pH 6.0 WB: MOLT-4 cells, Raji cells, Ramos cells Background Information CD38, also known as ADP-ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cycoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites (PMID: 235135). The extracellular domain of CD38 has bifunctional enzyme activities tha catalyze synthesis of cyclic ADP ribose from micotinamide adenine dinucleotide (MAD) and hydrolysis of cyclic ribose to adenosine diphosphorbose. (PMID: 2356865). CD38 is expressed on a variety of hematopoietic and	Basic Information	Catalog Number: 31891-1-AP	GenBank Accession Number: BC007964	Purification Method: Antigen affinity Purification
Source: ENSEMBL Gene ID: IHC 1:200-1:800 Rabbit ENSC0000004.468 Isotype: UNIPROTID: IgG P28907 Full Name: CD38 molecule Calculated MW: 3004.3,4 kDa Observed MW: 40 kDa Abbit WB: MOLT-4 cells, Raji cells, Ramos cells Species Specificity: HC 1:200-1:800 human HC 2:203 molecule Note-IHC: Suggested antigen retrieval with TE buffer pH 9,0; (*) Alternatively, antigen retrieval may be performed with Citrate buffer pH 6,0 Background Information CD38, also known as ADP-ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cycoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycopylation sites (PMID: 2:3193). The extracellular region with four N-glycopylation sites (PMID: 2:3193). The extracellular region with four N-glycopylation sites (PMID: 2:3193). The extracellular region with four N-glycopylation sites (PMID: 2:3193). The extracellular region with site (PMID: 2:39350). Storage Storage: Storage buffer Storage buffer Background Information Storage buffer PB stith 0:020% sodium azide and 50% glycerol pH 7.3.		Size:	GenelD (NCBI):	0 ,
Rabbit ENSCROUND LUC Rabbit ENSCROUND LUC Isotype: UNIPROT ID: IgG P28907 Full Name: CD38 molecule Calculated MW: 300 aa, 34 kDa Observed MW: 40 kDa Applications Tested Applications: WB, IHC, EUSA WB: MOLT-4 cells, Raji cells, Ramos cells Species Specificity: IHC: human tonsillitis tissue, Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 9.0; (*) Alternatively, antigen estivities the active synthesis of cyclic ADP ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with fort N- big typosphoribse (PML): 105366(3). CD38 is sepressed on a variety of frame activities that catalyze synthesis of cyclic ADP ribosy for CD38 has blence on a variety of frame activities that catalyze synthesis of cyclic ADP ribose from micotinamide adenine dinucleotide (NAD) and hydrolysis of cycli ribose to adensine diphosphoribose (PML): 105366(3). CD38 is sepressed on a variety of framestopoietic cells and is involved in diverse processes such as generation of calcium-mobilizing metabolite activation, and chemotaxis (PML): 25938500. Storage Storage Storage Vare Stable for one year after shipment. Stor		450 ug/ml	952	WB 1:2000-1:10000
IgG P28907 Full Name: CD38 molecule Calculated MW: 300 aa, 34 kDa Observed MW: 40 kDa Applications Tested Applications: WB, IHC, ELISA WB: MOLT-4 cells, Raji cells, Ramos cells Species Specificity: HHC : human tonsillitis tissue, Note-IHC: Suggessted antigen retrieval may be performed with citrate buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 Background Information CD38, also known as ADP-ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites (PMID: 2319135). The extracellular domain of CD38 has bifunctional enzyme activities tha catalyze synthesis of cyclic ADP ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites (PMID: 2319135). The extracellular domain of CD38 has bifunctional enzyme activities tha catalyze synthesis of cyclic ADP ribose from incitinatile adminis de and anio of calcium-mobilizing metabolite activation, and chemotaxis (PMID: 25938500). Storage: Storage: Storage: Storage buffer: PBS with L022% sodium azide and 50% glycerol pH 7.3.		Rabbit Isotype:	ENSG0000004468 UNIPROT ID:	IHC 1:200-1:800
CD38 molecule Calculated MW: 300 aa, 34 kDa Observed MW: 40 kDa Applications WB, IHC, ELISA Species Specificity: human Note-IHC: suggested antigen retrieval with Tier buffer pH 9,0; (*) Alternatively, artigen retrieval may be performed with citrate buffer pH 9,0; (*) Alternatively, artigen retrieval may be performed with citrate buffer pH 6,0 Background Information CD38, also known as ADP-ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N- glycosylation sites (PMID: 239135). The extracellular domain of CD38 has bifunctional enzyme activities the catalyze synthesis of cyclic ADP ribose (PMID: 1053663). CD38 is expressed on a variety of hematopoletic and hematopoletic cells and is involved in diverse processes such as generation of calcium-mobilizing metabolitie activation, and chemotaxis (PMID: 25938500). Storage Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.				
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Applications Tested Applications: WB, IHC, ELISA Positive Controls: WB: MOLT-4 cells, Raji cells, Ramos cells Species Specificity: human HC : human tonsillitis tissue, Note-HFC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 WB: MOLT-4 cells, Raji cells, Ramos cells Background Information CD38, also known as ADP-ribosyl cyclase 1, is a type II transmembrane glycoprotein with a short N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N- glycosylation sites (PMID: 2319135). The extracellular domain of CD38 has bifunctional enzyme activities tha catalyze synthesis of cyclic ADP ribose from nicotinamide adenine dinucleotide (NAD) and hydrolysis of cyclic ribose to adenosine diphosphoribose (PMID: 10536863). CD38 is expressed on a variety of hematopoietic and hematopoietic cells and is involved in diverse processes such as generation of calcium-mobilizing metabolite activation, and chemotaxis (PMID: 25938500). Storage Storage Euffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.				
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Store at -20 C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol pH 7.3.	Background Information	cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N- glycosylation sites (PMID: 2319135). The extracellular domain of CD38 has bifunctional enzyme activities that catalyze synthesis of cyclic ADP ribose from nicotinamide adenine dinucleotide (NAD) and hydrolysis of cyclic ADP ribose to adenosine diphosphoribose (PMID: 10636863). CD38 is expressed on a variety of hematopoietic and non- hematopoietic cells and is involved in diverse processes such as generation of calcium-mobilizing metabolites, cel		
Aliquoting is unnecessary for -20°C storage	Storage	Store at -20°C. Stable for one Storage Buffer:		
		Aliquoting is unnecessary for -20°C storage		

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

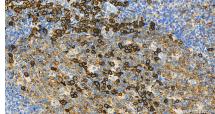
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Selected Validation Data





Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 31891-1-AP (CD38 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human tonsillitis tissue slide using 31891-1-AP (CD38 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Various lysates were subjected to SDS PAGE followed by western blot with 31891-1-AP (CD38 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.