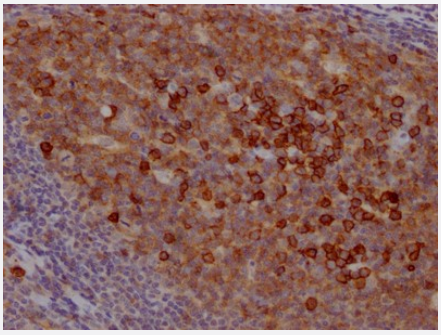
RecomAb™ Sm Size

CD38 recombinant monoclonal antibody, clone 6F10

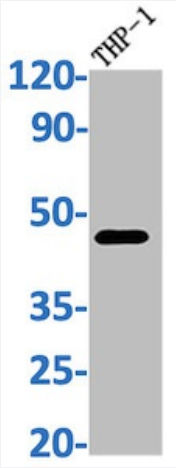
Catalog # RAB07985 Size 50 uL

Applications



Immunohistochemistry

Immunohistochemistry image of CD38 recombinant monoclonal antibody, clone 6F10 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system.



Western Blot

Western Blot analysis of
Lane 1: THP-1 whole cell lysate.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD38.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to full length human CD38.
Theoretical MW (kDa)	Calculated MW: 35, 1

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Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity-chromatography
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry (1:50-1:200) Western Blot (1:500-1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide)
Storage Instruction	store at -20 °C or -80 °C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of CD38 recombinant monoclonal antibody, clone 6F10 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot

  Western Blot analysis of
  Lane 1: THP-1 whole cell lysate.

Gene Info — CD38

Entrez GeneID	952
Protein Accession#	P28907
Gene Name	CD38
Gene Alias	T10

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Gene Description	CD38 molecule
Omim ID	107270
Gene Ontology	Hyperlink
Gene Summary	CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leukocytes. CD38 also functions in cell adhesion,signal transduction and calcium signaling. [provided by RefSeq
Other Designations	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase|CD38 antigen|CD38 antigen (p45)|cyclic ADP-ribose hydrolase

Pathway

- Calcium signaling pathway
- Hematopoietic cell lineage
- Metabolic pathways
- Nicotinate and nicotinamide metabolism

Disease

- Cell Transformation
- Child Development Disorders
- Diabetes Mellitus
- Genetic Predisposition to Disease
- Leukemia
- Lupus Erythematosus
- Lymphoma
- Osteoporosis

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