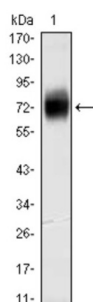
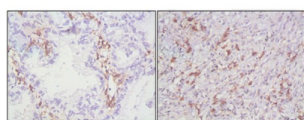


Cyclic ADP Ribose Hydrolase (CD38) Antibody

Catalogue No.: abx010525



Western blot analysis using CD38 mouse antibody against CD38-hlgGfc transfected HEK293 cell lysate.



Immunohistochemical analysis of paraffin-embedded human lung cancer (A), lymphonodus tissue (B), showing cytomembrane localization using CD38 antibody with DAB staining.

CD38 is a type II integral membrane glycoprotein which is present on early B and T cell lineages and activated B and T cells but is absent from most mature resting peripheral lymphocytes. CD38 is also found on thymocytes, pre-B cells, germinal center B cells, mitogen-activated T cells, monocytes and Ig-secreting plasma cells. CD38 acts as a NAD glycohydrolase in T lymphocytes. On hematopoietic cells CD38 induces activation, proliferation, and differentiation of mature T and B cells and mediates apoptosis of myeloid and lymphoid progenitor cells. In addition to acting as a signaling receptor, CD38 is also an enzyme capable of producing several calcium-mobilizing metabolites, including cyclic adenosine diphosphate ribose (cADPR). CD38 also plays a role in maintaining survival of an invariant NK T (iNKT) cell subset that preferentially contributes to the maintenance of immunological tolerance.

Target: Cyclic ADP Ribose Hydrolase (CD38)

Clonality: Monoclonal

Reactivity: Human

Tested Applications: ELISA, IHC

Host: Mouse

Recommended dilutions: ELISA: 1/10000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.

Conjugation: Unconjugated

Immunogen: Purified recombinant fragment of human CD38 expressed in E. coli.

Datasheet

Version: 2.0.0
Revision date: 29 Jun 2025



Isotype:	IgG ₁
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P28907 (UniProt , ExPASy)
Gene Symbol:	CD38
GeneID:	952
OMIM:	107270
HGNC:	1667
KEGG:	hsa:952
Ensembl:	ENSG00000004468
String:	9606.ENSP00000226279
Molecular Weight:	34 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.