

Product Name: CD38 Mouse Monoclonal Antibody**Catalog #: AMM83005**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	IHC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	IHC 1:100-1:200
Molecular Weight	/

Antigen Information

Gene Name	CD38
Alternative Names	T10;ADPRC 1;ADPRC1;CADPR1
Gene ID	952.0
SwissProt ID	P28907
Immunogen	A synthetic peptide of human CD38

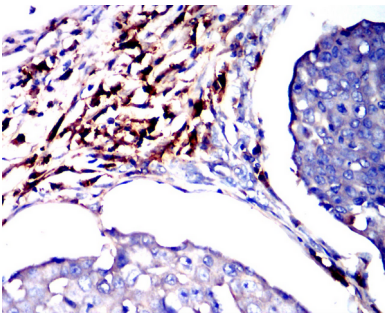
Background

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

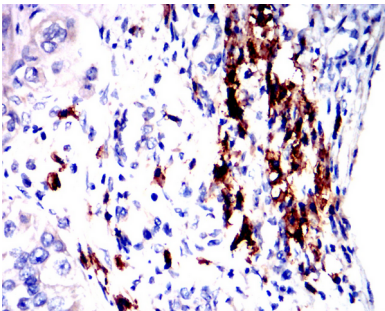
functions for the protein. This protein has an N-terminal cytoplasmic tail, a single membrane-spanning domain, and a C-terminal extracellular region with four N-glycosylation sites. Crystal structure analysis demonstrates that the functional molecule is a dimer, with the central portion containing the catalytic site. It is used as a prognostic marker for patients with chronic lymphocytic leukemia. Alternative splicing results in multiple transcript variants.

Research Area

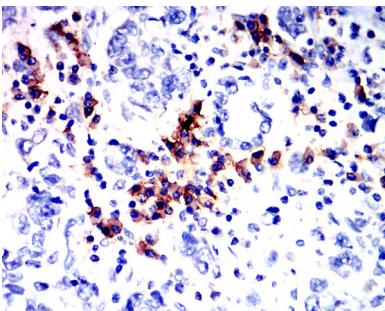
Image Data



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using CD38 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human renal cancer tissues using CD38 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human gastric cancer tissues using CD38 mouse mAb with DAB staining.