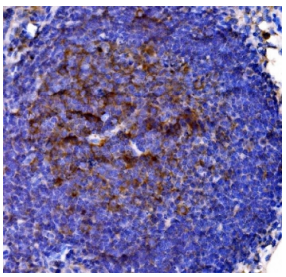
Cd38 Antibody (RQ7966)

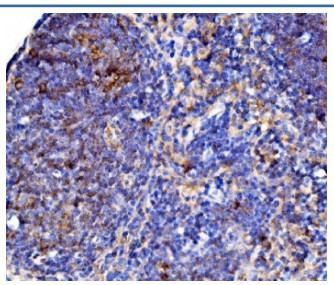
Catalog No.	Formulation	Size
RQ7966	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P56528
Applications	Immunohistochemistry (FFPE) : 2-5ug/ml
Limitations	This Cd38 antibody is available for research use only.



IHC staining of FFPE rat lymph node tissue with Cd38 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE mouse lymph node tissue with Cd38 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.

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.

Application Notes

Optimal dilution of the Cd38 antibody should be determined by the researcher.

Immunogen

Amio acids CVDNYRPARFLQCVK were used as the immunogen for the Cd38 antibody.

Storage

After reconstitution, the Cd38 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.