

Anti-CD38 Antibody (4I413)

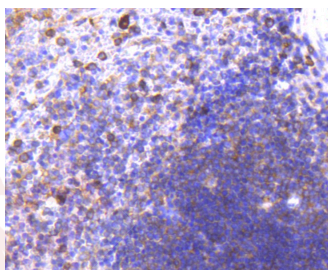
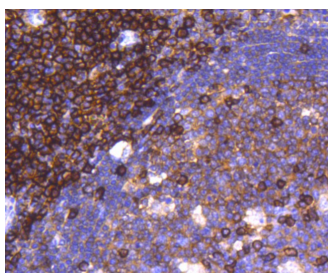
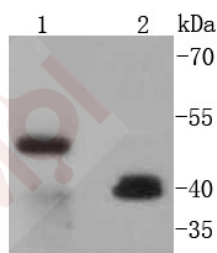
Product Details

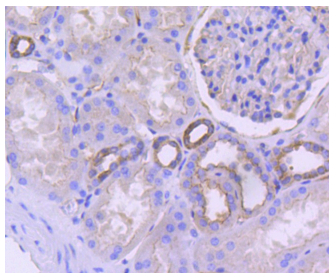
Ig Type:	IgG
Reactivity:	Human
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 40/50 kDa.
Clone:	4I413
Purification:	ProA affinity purified

Applications

Verified Activity:

1. Western blot analysis of CD38 on different lysates using anti-CD38 antibody at 1/1,000 dilution. Positive control: Lane 1: THP-1, Lane 2: Raji.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD38 antibody. Counter stained with hematoxylin.
3. Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD38 antibody. Counter stained with hematoxylin.
4. Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-CD38 antibody. Counter stained with hematoxylin.





Application: IHC,WB
Recommended WB: 1:1000; IHC: 1:50-200

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping: Shipping with blue ice.

Antigen Details

Immunogen: Recombinant Protein
Uniprot ID: P28907
Synonyms: Cyclic ADP-ribose hydrolase 1;ADP-ribosyl cyclase 1;2'-phospho-cyclic-ADP-ribose transferase; 2'-phospho-ADP-ribosyl cyclase/2'-phospho-cyclic-ADP-ribose transferase;T10;ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase 1;2'-phospho-ADP-ribosyl cyclase

Research Background

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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