

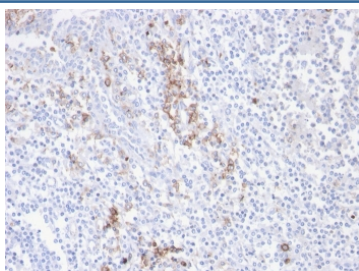
## Recombinant CD38 Antibody [clone CD38/4247R] (V8742)

Catalog No.	Formulation	Size
V8742-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8742-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8742SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

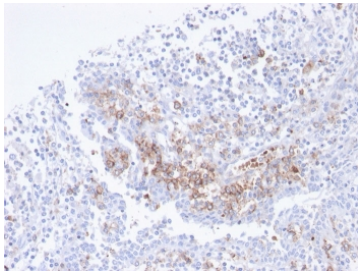
Recombinant **RABBIT MONOCLONAL**

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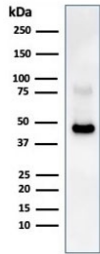
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG
Clone Name	CD38/4247R
Purity	Protein A affinity chromatography
UniProt	P28907
Localization	Cell surface, cytoplasm and nucleus
Applications	Western Blot : 2-4ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This recombinant CD38 antibody is available for research use only.



IHC staining of FFPE human tonsil with recombinant CD38 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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Western blot testing of human Raji cell lysate with recombinant CD38 antibody.  
Expected molecular weight: 34-46 kDa.

## Description

CD38 is a type II transmembrane glycoprotein that 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 found on thymocytes, pre-B cells, germinal center B-cells, mitogen-activated T-cells, monocytes and Ig-secreting plasma cells. CD38 is expressed on CD34+ cells. The CD34+CD38- population of hematopoietic stems cells define the most pluripotent cells (e.g. blast colony forming cells).

## Application Notes

Optimal dilution of the recombinant CD38 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 200-300 from the human protein was used as the immunogen for the recombinant CD38 antibody.

## Storage

Store the recombinant CD38 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).