

For Research Use Only

# CD37 Recombinant antibody

Catalog Number: 84509-2-RR



## Basic Information

**Catalog Number:**

84509-2-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_001774.3

**GeneID (NCBI):**

951

**UNIPROT ID:**

P11049-1

**Full Name:**

CD37 molecule

**Calculated MW:**

32kDa

**Observed MW:**

40-52 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

242011D6

**Recommended Dilutions:**

WB 1:5000-1:50000

IHC 1:500-1:2000

IF/ICC 1:125-1:500

## Applications

**Tested Applications:**

WB, IHC, IF/ICC, ELISA

**Species Specificity:**

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

**Positive Controls:**

WB : Daudi cells, Raji cells, Ramos cells

IHC : human tonsillitis tissue,

IF/ICC : Daudi cells,

## Background Information

CD37 is a membrane protein of the tetraspanin superfamily which are characterized by the presence of four conserved transmembrane regions. Many of these members are expressed on leukocytes and have been implicated in signal transduction, cell-cell interactions, and cellular activation and development. CD37 plays a role in B-cell function, and may also play a role in T-cell-B-cell interactions (PMID: 10891477).

## Storage

**Storage:**

Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

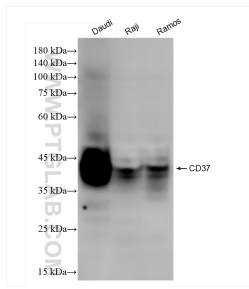
T: 4006900926

E: Proteintech-CN@ptglab.com

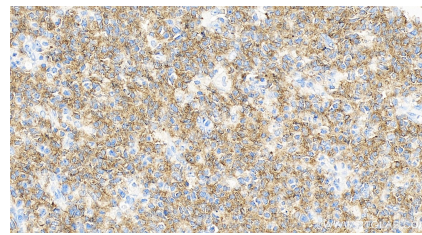
W: ptgcn.com

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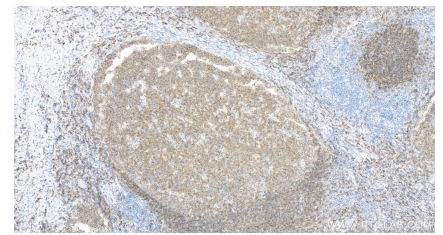
## Selected Validation Data



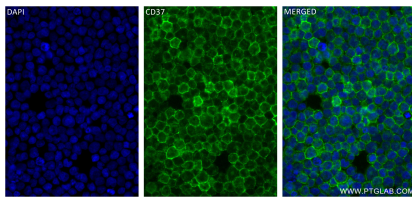
Various lysates were subjected to SDS PAGE followed by western blot with 84509-2-RR (CD37 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84509-2-RR (CD37 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84509-2-RR (CD37 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed Daudi cells using CD37 antibody (84509-2-RR, Clone: 242011D6 ) at dilution of 1:250 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).