

For Research Use Only

# CD37 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84509-2-PBS



## Basic Information

<b>Catalog Number:</b> 84509-2-PBS	<b>GenBank Accession Number:</b> NM_001774.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 951	<b>CloneNo.:</b> 242011D6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P11049-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD37 molecule	
	<b>Calculated MW:</b> 32kDa	
	<b>Observed MW:</b> 40-52 kDa	

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

84509-2-PBS targets CD37 as part of a matched antibody pair:

MP01362-1: 84509-3-PBS capture and 84509-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## 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

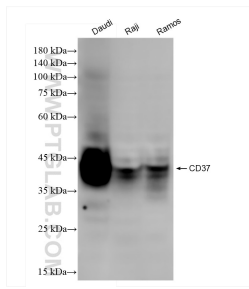
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

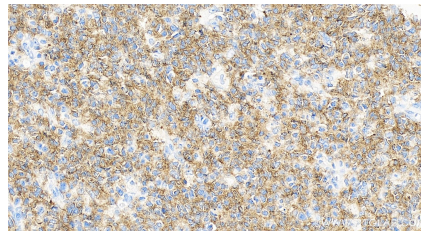
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

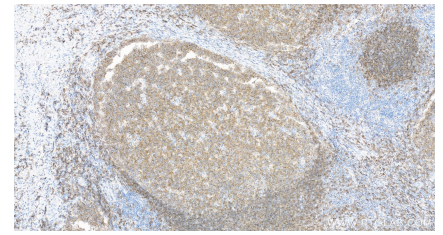
## Selected Validation Data



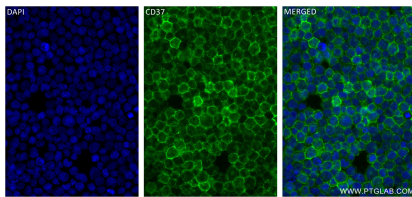
Various lysates were subjected to SDS PAGE followed by western blot with 84509-2-RR (CD37 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84509-2-PBS in a different storage buffer formulation.



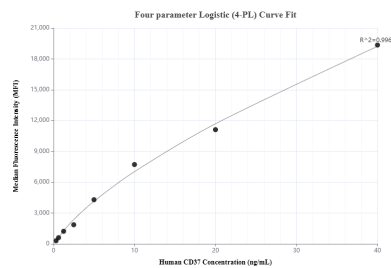
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84509-2-RR (CD37 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84509-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84509-2-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 84509-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01362-1, CD37 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84509-3-PBS. Detection antibody: 84509-2-PBS. Standard: Eg1764. Range: 0.313-40 ng/mL.