

For Research Use Only

CLEC12A Polyclonal antibody

Catalog Number: 28627-1-AP



Basic Information

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| Catalog Number: 28627-1-AP | GenBank Accession Number: BC063424 | Purification Method: Antigen affinity purification |
| Size: 550 µg/ml | GeneID (NCBI): 160364 | Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q5QGZ9 | |
| Isotype: IgG | Full Name: C-type lectin domain family 12, member A | |
| Immunogen Catalog Number: AG27864 | Calculated MW: 31 kDa | |
| | Observed MW: 55-75 kDa | |

Applications

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| Tested Applications: WB, IF/ICC, ELISA | Positive Controls: WB : U-937 cells, human peripheral blood leukocyte IF/ICC : U-937 cells, |
| Species Specificity: Human | |

Background Information

CLEC12A, also known as CD371, MICL, DCAL-2 or CLL-1, is a type II transmembrane glycoprotein and a member of the C-type lectin superfamily (PMID: 30401586). This protein, which contains a single C-type lectin-like domain and a cytoplasmic immunoreceptor tyrosine-based inhibitory motif (ITIM), is related to LOX-1 and Dectin-1 and is variably spliced and highly N-glycosylated (PMID: 14739280). Its ITIM sequence recruits the tyrosine phosphatases SHP-1 and SHP-2 to negatively regulate Syk signaling. In humans, CLEC12A is mainly expressed on myeloid cells, being found on monocytes, granulocytes, macrophages and DC subsets, and at lower levels on CD4+ T cells (PMID: 32477350). The observed molecular weight of CLEC12A is between 40 and 75 kDa, which is much higher than the predicted molecular weight due to glycosylation (PMID: 14739280).

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:

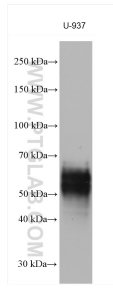
T: 4006900926

E: Proteintech-CN@ptglab.com

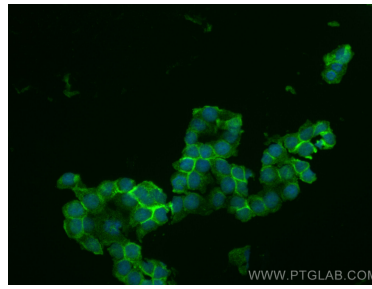
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Selected Validation Data



U-937 cells were subjected to SDS PAGE followed by western blot with 28627-1-AP (CLEC12A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed U-937 cells without permeabilization using CLEC12A antibody (28627-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).