

For Research Use Only

Dectin-1 Polyclonal antibody

Catalog Number: 22809-1-AP



Basic Information

Catalog Number: 22809-1-AP	GenBank Accession Number: BC013385	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop and 547 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 64581	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: C-type lectin domain family 7, member A	
Isotype: IgG	Calculated MW: 247 aa, 28 kDa	
Immunogen Catalog Number: AG18924	Observed MW: 45 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HL-60 cells, THP-1 cells, U-937 cells
Species Specificity: human	

Background Information

Dectin-1, also known as CLEC7A or CD369, is a type II membrane receptor consisting of an extracellular C-terminal C-type lectin domain, a short stalk region, a single transmembrane domain and a short N-terminal cytoplasmic tail, which contains an immunoreceptor tyrosine-based activation motif (PMID: 10779524; 21612412). Dectin-1 is expressed on monocytes, macrophages, neutrophils, dendritic cells and a subpopulation of T cells (PMID: 12244185). Dectin-1 plays a role in the innate immune response. It functions as a pattern-recognition receptor and recognizes a variety of β -glucans from fungi, plants and bacteria. Dectin-1 may also participate in orchestrating the adaptive immune response (PMID: 21612412). The apparent molecular weight is larger than the calculated molecular weight due to glycosylation (PMID: 10779524).

Storage

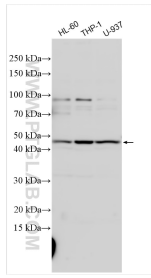
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 22809-1-AP (Dectin-1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.