

For Research Use Only

Dectin-1/CLEC7A Recombinant monoclonal antibody, PBS Only

Catalog Number:83739-3-PBS



Basic Information

Catalog Number: 83739-3-PBS	GenBank Accession Number: NM_197947.3	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 64581	CloneNo.: 251929B1
Isotype: IgG	UNIPROT ID: Q9BXN2-1	
Immunogen Catalog Number: EG1344	Full Name: C-type lectin domain family 7, member A	
	Calculated MW: 28kDa	
	Observed MW: 40 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

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

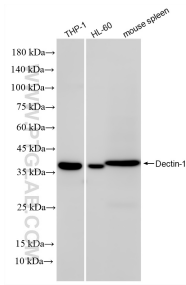
T: 4006900926

E: Proteintech-CN@ptglab.com

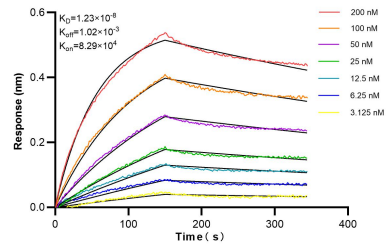
W: ptgcn.com

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 83739-3-RR (Dectin-1/CLEC7A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83739-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 83739-3-RR against Human Dectin-1/CLEC7A were performed. The affinity constant is 12.3 nM.