

For Research Use Only

Dectin-1/CLEC7A Recombinant monoclonal antibody

Catalog Number:83739-3-RR



Basic Information

Catalog Number:

83739-3-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1344

GenBank Accession Number:

NM_197947.3

GeneID (NCBI):

64581

UNIPROT ID:

Q9BXN2-1

Full Name:

C-type lectin domain family 7, member A

Calculated MW:

28kDa

Observed MW:

40 kDa

Purification Method:

Protein A purification

CloneNo.:

251929B1

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : THP-1 cells, HL-60 cells, mouse spleen tissue

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

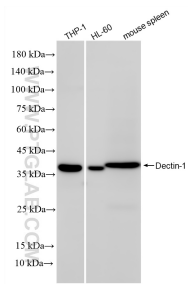
T: 4006900926

E: Proteintech-CN@ptglab.com

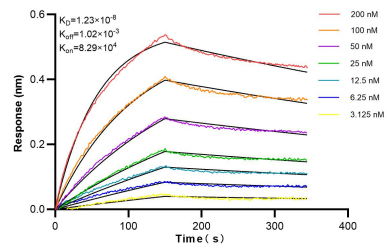
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83739-3-RR (Dectin-1/CLEC7A antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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