

Rabbit anti-Human Dectin-1/CLEC7A Polyclonal Antibody | anti-CLEC7A antibody

Anti-Dectin-1/CLEC7A Antibody Picoband

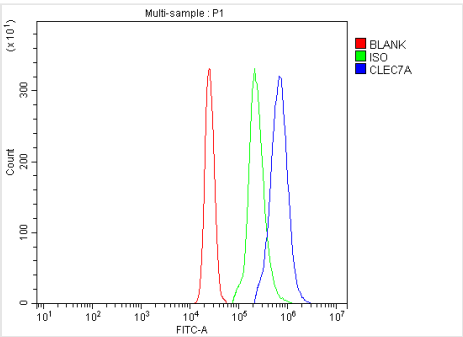
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126247	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

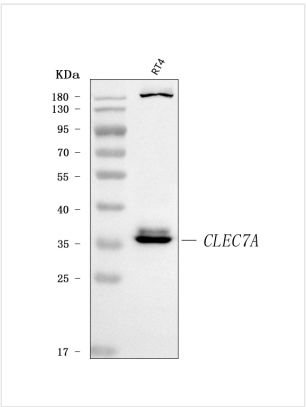
Dectin-1/CLEC7A; Polyclonal Antibody; Anti-Dectin-1/CLEC7A Antibody Picoband; anti-CLEC7A antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CLEC7A antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human Dectin-1/CLEC7A recombinant protein (Position: M1-C233).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of U937 cells using anti-Dectin-1/CLEC7A antibody (AAA126247).Overlay histogram showing U937 cells stained with AAA126247 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Dectin-1/CLEC7A Antibody (AAA126247, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of Dectin-1/CLEC7A using anti-Dectin-1/CLEC7A antibody (AAA126247).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human RT4 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Dectin-1/CLEC7A antigen affinity purified polyclonal antibody (#AAA126247) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for Dectin-1/CLEC7A at approximately 36 kDa. The expected band size for Dectin-1/CLEC7A is at 28 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-CLEC7A antibody	C-type lectin domain family 7 member A or Dectin-1 is a protein that in humans is encoded by the CLEC7A gene. This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. The encoded glycoprotein is a small type II membrane receptor with an extracellular C-type lectin-like domain fold and a cytoplasmic domain with an immunoreceptor tyrosine-based activation motif. It functions as a pattern-recognition receptor that recognizes a variety of beta-1,3-linked and beta-1,6-linked glucans from fungi and plants, and in this way plays a role in innate immune response. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region.
Product Categories/Family for anti-CLEC7A antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13384604
NCBI GeneID	64581
NCBI Accession #	NP_072092.2
NCBI GenBank Nucleotide #	NM_022570.4
UniProt Accession #	Q9BXN2; Q6IPS7; Q96D32; Q96DR9; Q96LD3; Q96PA4; Q96PA5; Q96PA6; B2R861; B7Z494; B7Z5A9; B7Z5B9
Molecular Weight	27,627 Da
NCBI Official Full Name	C-type lectin domain family 7 member A isoform b
NCBI Official Synonym Full Names	C-type lectin domain family 7, member A
NCBI Official Symbol	CLEC7A
NCBI Official Synonym Symbols	BGR; CANDF4; DECTIN1; CLECSF12

NCBI Protein Information	C-type lectin domain family 7 member A; dectin-1; beta-glucan receptor; lectin-like receptor 1; DC-associated C-type lectin 1; C-type lectin superfamily member 12; dendritic cell-associated C-type lectin 1; dendritic cell-associated C-type lectin-1; C-typ
UniProt Protein Name	C-type lectin domain family 7 member A
UniProt Gene Name	CLEC7A
UniProt Synonym Gene Names	BGR; CLECSF12; DECTIN1; DC-associated C-type lectin 1; Dectin-1
UniProt Entry Name	CLC7A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dectin-1-clec7a-antibody-flow-cytometry-western-blot-elisa/126247>