

Rabbit anti-Mouse Dectin-1/Clec7a Polyclonal Antibody | anti-CLEC7A antibody

Anti-Dectin-1/Clec7a Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126246	Rabbit	Mouse	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

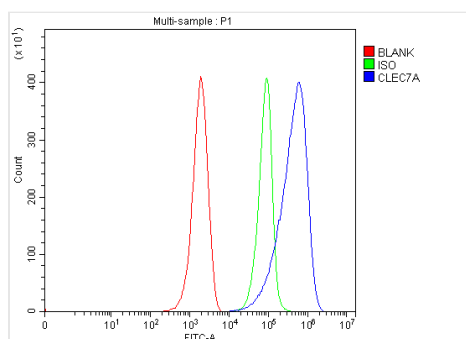
PRODUCT SYNONYMS

Dectin-1/Clec7a; Polyclonal Antibody; Anti-Dectin-1/Clec7a Antibody Picoband; anti-CLEC7A antibody

PRODUCT SPECIFICATIONS

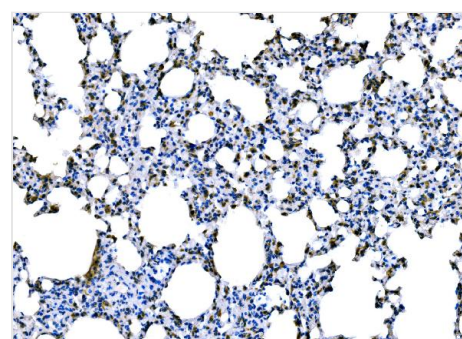
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-CLEC7A antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived mouse Dectin-1/Clec7a recombinant protein (Position: Q17-L244).
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.

IMAGES



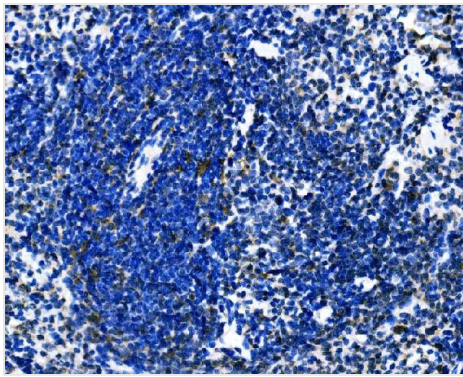
FCM/FACS (Flow Cytometry)

Figure 4. Flow Cytometry analysis of ANA-1 cells using anti-Dectin-1/Clec7a antibody (AAA126246). Overlay histogram showing ANA-1 cells stained with AAA126246 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Dectin-1/Clec7a Antibody (AAA126246, 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.



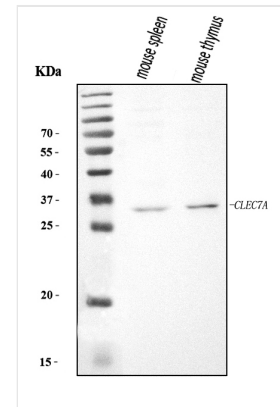
IHC (Immunohistochemistry)

Figure 3. IHC analysis of Dectin-1/Clec7a using anti-Dectin-1/Clec7a antibody (AAA126246). Dectin-1/Clec7a was detected in a paraffin-embedded section of mouse lung tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Dectin-1/Clec7a Antibody (AAA126246) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of Dectin-1/Clec7a using anti-Dectin-1/Clec7a antibody (AAA126246). Dectin-1/Clec7a was detected in a paraffin-embedded section of mouse spleen tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-Dectin-1/Clec7a Antibody (AAA126246) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of Dectin-1/Clec7a using anti-Dectin-1/Clec7a antibody (AAA126246). 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: mouse spleen tissue lysates, Lane 2: mouse thymus tissue 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 (#AAA126246) 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 33 kDa. The expected band size for Dectin-1/Clec7a is at 33 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 #	188035930
NCBI GeneID	56644
NCBI Accession #	NP_064392
NCBI GenBank Nucleotide #	NM_020008.3
UniProt Accession #	Q6QLQ4; Q8K1L4; Q9JI50; E9QPW2
Molecular Weight	21.0kDa (183aa) 18-28KDa (SDS-PAGE under reducing conditions.)
NCBI Official Full Name	C-type lectin domain family 7 member A 1
NCBI Official Synonym Full Names	C-type lectin domain family 7, member a
NCBI Official Symbol	Clec7a
NCBI Official Synonym Symbols	BGR; beta-GR; Clec7s12
NCBI Protein Information	C-type lectin domain family 7 member A

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

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-immunohistochemistry-western-blot-elisa/126246>