

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

Dectin-1 Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                                                 |
|-----------|--------|------------|--------------------------------------------------------------|
| AAA328897 | Rabbit | Human      | ELISA, Immunocytochemistry, Immunofluorescence, Western Blot |

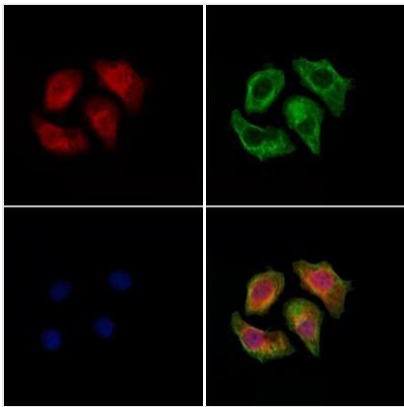
### PRODUCT SYNONYMS

Dectin-1; Polyclonal Antibody; Dectin-1 Antibody; Beta GR; Beta-glucan receptor; BGR; C type calcium dependent carbohydrate recognition domain lectin superfamily member 12; C type lectin domain family 7 member a; C-type lectin domain family 7 member A; C-type lectin superfamily member 12; CANDF4; CLC7A\_HUMAN; CLEC7A; CLEC7A protein; Clecsf12; DC-associated C-type lectin 1; Dectin 1; DECTIN 1 receptor; Dectin1; Dendritic cell associated C type lectin 1; Dendritic cell-associated C-type lectin 1; Lectin like receptor 1; Putative transmembrane protein dectin 1; anti-CLEC7A antibody

### PRODUCT SPECIFICATIONS

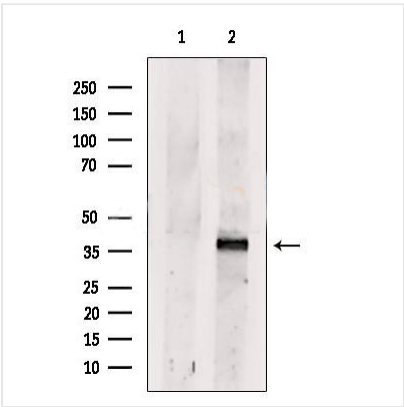
|                                                  |                                                                                                               |
|--------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Host                                             | Rabbit                                                                                                        |
| Reactivity                                       | Human                                                                                                         |
| Clonality                                        | Polyclonal                                                                                                    |
| Isotype                                          | IgG                                                                                                           |
| Specificity                                      | Dectin-1 Antibody detects endogenous levels of total Dectin-1.                                                |
| Purity/Purification                              | Peptide affinity purification                                                                                 |
| Form/Format                                      | Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol       |
| Concentration                                    | 1mg/ml (varies by lot)                                                                                        |
| Sequence Length                                  | 201                                                                                                           |
| Applicable Applications for anti-CLEC7A antibody | ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)                                  |
| Immunogen                                        | A synthesized peptide derived from human Dectin-1, corresponding to a region within the internal amino acids. |
| Preparation and Storage                          | Store at -20 degree C. Stable for 12 months from date of receipt.                                             |

IMAGES



IF (Immunofluorescence)

AAA328897 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. Samples were then incubated with primary Ab(AAA328897 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from HeLa cells, using Dectin-1. The lane on the left was treated with blocking peptide. Observed bands: 37 kDa.

ADDITIONAL INFORMATION

|                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-CLEC7A antibody | Function: Lectin that functions as pattern receptor specific for beta-1,3-linked and beta-1,6-linked glucans, such as cell wall constituents from pathogenic bacteria and fungi. Induces phosphorylation of SCIMP after binding beta-glucans (By similarity). Necessary for the TLR2-mediated inflammatory response and for TLR2-mediated activation of NF-kappa-B. Enhances cytokine production in macrophages and dendritic cells. Mediates production of reactive oxygen species in the cell. Mediates phagocytosis of C.albicans conidia. Binds T-cells in a way that does not involve their surface glycans and plays a role in T-cell activation. Stimulates T-cell proliferation (By similarity) |
|------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                 |
|----------------------------------|-----------------------------------------------------------------|
| NCBI GI #                        | 13384604                                                        |
| NCBI GeneID                      | 64581                                                           |
| NCBI Accession #                 | NP_072092.2                                                     |
| NCBI GenBank Nucleotide #        | NP_072092.2                                                     |
| UniProt Accession #              | Q9BXN2                                                          |
| Molecular Weight                 | 37kDa                                                           |
| NCBI Official Full Name          | C-type lectin domain family 7 member A isoform b                |
| NCBI Official Synonym Full Names | C-type lectin domain containing 7A                              |
| NCBI Official Symbol             | CLEC7A                                                          |
| NCBI Official Synonym Symbols    | BGR; CD369; CANDF4; SCARE2; DECTIN1; CLECSF12                   |
| 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 |
| 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-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/328897>