



## Rabbit Anti-DECTIN2 antibody

SL2566R

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| <b>Product Name:</b>          | DECTIN2                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Chinese Name:</b>          | C型凝集素结构域家族6成员A抗体                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Alias:</b>                 | DECTIN-2; DECTIN 2; DECTIN2; C type lectin domain family 6 member A; C type lectin superfamily member 10; C-type lectin domain family 6 member A; C-type lectin superfamily member 10; CLC6A_HUMAN; CLEC4N; Clec6a; CLECSF10; DC associated C type lectin 2; DC-associated C-type lectin 2; Dectin-2; Dectin2; Dendritic cell associated lectin 2; Dendritic cell-associated C-type lectin 2. |
| <b>Organism Species:</b>      | Rabbit                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Clonality:</b>             | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>React Species:</b>         | Human,Mouse,Rat,Cow,Horse,Sheep,                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications:</b>          | ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.                                                                                                                                                                         |
| <b>Molecular weight:</b>      | 24kDa                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Cellular localization:</b> | The cell membrane                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Form:</b>                  | Lyophilized or Liquid                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Concentration:</b>         | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human Dectin-2:110-209/209                                                                                                                                                                                                                                                                                                                      |
| <b>Lsotype:</b>               | IgG                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification:</b>          | affinity purified by Protein A                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.                                                                                                                                                                                                                                                                                                                              |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.                                                                 |
| <b>PubMed:</b>                | <a href="#">PubMed</a>                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Product Detail:</b>        | Dectin 2 is a type II transmembrane protein that is a member of the C type lectin superfamily. In mouse, dectin 2 is predominantly expressed on tissue macrophages and some dendritic cells. Significant expression of Dectin 2 has been reported on                                                                                                                                          |

macrophages in the red pulp and marginal zones of the spleen, kupffer cells in the liver and alveolar macrophages in the lung. Peripheral blood monocytes express low levels of dectin 2 but transient up regulation of expression has been demonstrated on monocytes at sites of inflammation. The function of dectin 2 has not been fully determined but studies suggest a possible role in immune surveillance.

**Function:**

Binds high-mannose carbohydrates in a Ca(2+)-dependent manner. Functional receptor for alpha-mannans on *C.albicans* hyphae. Plays an important role in the host defense against *C.albicans* infection by inducing TH17 cell differentiation. Recognizes also, in a mannose-dependent manner, allergens from house dust mite and fungi, by promoting cysteinyl leukotriene production. Recognizes soluble elements from the eggs of *Shistosoma mansoni* altering adaptive immune responses. Transduces signals through an Fc receptor gamma chain /FCER1G and Syk-CARD9-NF-kappa-B-dependent pathway (By similarity).

**Subunit:**

Associated with FCER1G.

**Subcellular Location:**

Membrane; Single-pass type II membrane protein (Probable).

**Tissue Specificity:**

Expressed in lung, spleen, lymph node, leukocytes, bone marrow, tonsils and dendritic cells. Strongly expressed in purified monocytes and weakly in B-cells. In peripheral blood cells, preferentially expressed in plasmacytoids rather than myeloids.

**Similarity:**

Contains 1 C-type lectin domain.

**SWISS:**

Q6EIG7

**Gene ID:**

93978

**Database links:**

[Entrez Gene: 93978](#)Human

[Entrez Gene: 56620](#)Mouse

[Omim: 613579](#)Human

[SwissProt: Q6EIG7](#)Human

[SwissProt: Q9JKF4](#)Mouse

[SwissProt: D3ZWT9](#)Rat

[Unigene: 591147](#)Human

[Unigene: 271782](#)Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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