

For Research Use Only

# FITC Plus Anti-Human CLEC10A/CD301 Rabbit Recombinant Antibody

Catalog Number: FITC-98245



## Basic Information

Catalog Number:

FITC-98245

Concentration:

100 tests, 5 µl/test

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1892

GenBank Accession Number:

BC039011

GeneID (NCBI):

10462

UNIPROT ID:

Q8IUN9

Full Name:

C-type lectin domain family 10, member A

Calculated MW:

316 aa, 35 kDa

Purification Method:

Protein A purification

CloneNo.:

241857C11

Recommended Dilutions:

FC: 5 µl per 10<sup>6</sup> cells in 100 µl suspension

Excitation/Emission maximum wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Species Specificity:

human

Positive Controls:

FC : Human immature monocyte-derived dendritic cells,

## Background Information

C-type lectin domain family 10 member A (CLEC10A), also known as CD301, macrophage galactose-type C-type lectin (MGL), DC-asialoglyco protein receptor (DC-ASGP-R) or human macrophage lectin (HML), is a type II transmembrane glycoprotein having a calcium-dependent carbohydrate recognition domain (PMID: 8598452; 11919201; 11698450). CLEC10A is expressed exclusively by myeloid professional antigen-presenting cells such as immature dendritic cells (DCs) and alternatively activated macrophages (PMID: 16998493). CLEC10A is a marker for human CD1c<sup>+</sup> DCs (cDC2) (PMID: 29755453). It functions as an endocytic receptor for glycosylated antigens (PMID: 11919201).

## Storage

Storage:

Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

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

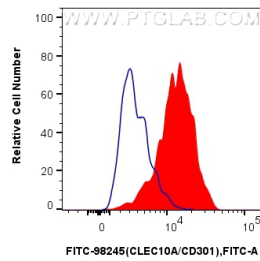
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



$1 \times 10^6$  FC receptor blocked Human immature monocyte-derived dendritic cells were surface stained with 5  $\mu$ l FITC Plus Anti-Human CLEC10A/CD301 Rabbit RecAb (FITC-98245, Clone: 241857C11) (red), or 5  $\mu$ l FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). Cells were not fixed.