# HLA-DRA (PN0321) Nb-FC recombinant antibody

CatalogNo: YA0271 Recombinant

## Key Features

Reactivity
- Human

Applications
- ELISA

## Recommended Dilution Ratios

**ELISA 1:5000-100000**

## Storage

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|---|---|
| **Storage*** | -15°C to -25°C/1 year(Avoid freeze / thaw cycles) |
| **Formulation** | Phosphate-buffered solution |

## Basic Information

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|---|---|
| **Source** | Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell |
| **Purification** | Camel, chimeric fusion of Nanobody (VHH) and mouse IgG1 Fc domain , recombinantly produced from 293F cell |
| **Clone Number** | PN0321 |

## Immunogen Information

| | |
|---|---|
| **Immunogen** | Purified recombinant Human HLA-DRA |
| **Specificity** | This recombinant monoclonal antibody can detects endogenous levels of HLA-DRA protein. |

## Target Information

**Gene name** HLA-DRA HLA-DRA1

**Protein Name** HLA class II histocompatibility antigen, DR alpha chain (MHC class II antigen DRA)

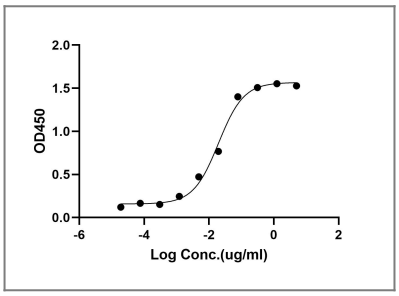
| Organism | Gene ID | UniProt ID |
|---|---|---|
| Human | 3122; | P01903; |

**Cellular Localization** Cell membrane ; Single-pass type I membrane protein . Endoplasmic reticulum membrane ; Single-pass type I membrane protein . Early endosome membrane ; Single-pass type I membrane protein . Late endosome membrane ; Single-pass type I membrane protein . Lysosome membrane ; Single-pass type I membrane protein . Autolysosome membrane ; Single-pass type I membrane protein. The MHCII complex transits through a number of intracellular compartments in the endocytic pathway until it reaches the cell membrane for antigen presentation (PubMed:9075930, PubMed:18305173). Component of immunological synapses at the interface between T cell and APC (PubMed:15322540, PubMed:29884618). .

**Tissue specificity** Expressed in professional APCs: macrophages, dendritic cells and B cells (at protein level) (PubMed:31495665, PubMed:1532254, PubMed:23783831). Expressed in thymic epithelial cells (at protein level) (PubMed:23783831).

**Function** Disease:Genetic variations in HLA-DRA are associated with susceptibility to hepatitis B virus infection (HBV infection) [MIM:610424]. Approximately one third of all cases of cirrhosis and half of all cases of hepatocellular carcinoma can be attributed to chronic HBV infection. HBV infection may result in subclinical or asymptomatic infection, acute self-limited hepatitis, or fulminant hepatitis requiring liver transplantation.,polymorphism:The following alleles of DRA are known: DRA*0101 and DRA*0102. The sequence shown is that of DRA*0101.,similarity:Belongs to the MHC class II family.,similarity:Contains 1 Ig-like C1-type (immunoglobulin-like) domain.,subunit:Heterodimer of an alpha chain and a beta chain.,

## Validation Data




## Contact information

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Please scan the QR code to access additional product information:
**HLA-DRA (PN0321) Nb-FC recombinant antibody**