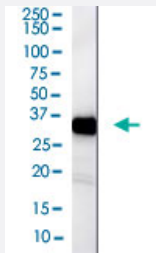


# HLA-DR monoclonal antibody, clone TAL 1B5

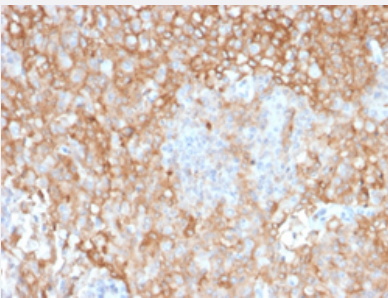
Catalog # MAB21229      Size 100 ug

## Applications



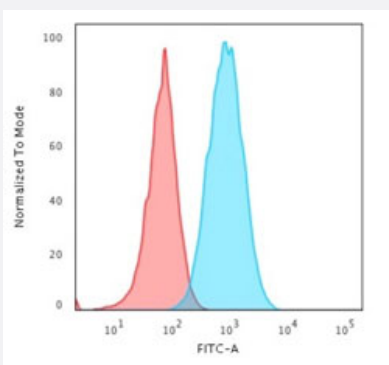
### Western Blot (Cell lysate)

Western Blot Analysis of Ramos cell lysates.



### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung cancer with HLA-DR monoclonal antibody, clone TAL 1B5 (Cat # MAB21229).



### Flow Cytometry

Flow cytometric analysis of Raji cells with Cat # MAB21229 followed by goat anti-Mouse IgG-CF488 (Blue) and Isotype control (Red).

## Specification

### Product Description

Mouse monoclonal antibody raised against human HLA-DR.

|                     |                                                                                                                                                                                                                                     |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen           | Monoclonal antibody raised against Bristol 8 cell line of human origin.                                                                                                                                                             |
| Host                | Mouse                                                                                                                                                                                                                               |
| Reactivity          | Human                                                                                                                                                                                                                               |
| Form                | Liquid                                                                                                                                                                                                                              |
| Purification        | Protein A/G purification                                                                                                                                                                                                            |
| Isotype             | IgG1, kappa                                                                                                                                                                                                                         |
| Recommend Usage     | Flow Cytometry (1-2 ug/10 <sup>6</sup> cells)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL)<br>Western Blot (1-2 ug/mL)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer      | In 10 mM PBS (0.05% BSA, 0.05% sodium azide).                                                                                                                                                                                       |
| Storage Instruction | Store at 4°C.                                                                                                                                                                                                                       |
| Note                | Molecular Weight of antigen: 36 kDa (alpha chain); 27 kDa (beta chain); 63 kDa (HLA-DR dimer)<br>This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.             |

## Applications

- Western Blot (Cell lysate)

Western Blot Analysis of Ramos cell lysates.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human lung cancer with HLA-DR monoclonal antibody, clone TAL 1B5 (Cat # MAB21229).

- Flow Cytometry

Flow cytometric analysis of Raji cells with Cat # MAB21229 followed by goat anti-Mouse IgG-CF488 (Blue) and Isotype control (Red).

## Gene Info — HLA-DRA

Entrez GeneID [3122](#)

Protein Accession# [P01903](#)

Gene Name HLA-DRA

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Alias         | HLA-DRA1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Description   | major histocompatibility complex, class II, DR alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Omim ID            | <a href="#">142860</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Summary       | <p>HLA-DRA is one of the HLA class II alpha chain paralogues. This class II molecule is a heterodimer consisting of an alpha and a beta chain, both anchored in the membrane. It plays a central role in the immune system by presenting peptides derived from extracellular proteins. Class II molecules are expressed in antigen presenting cells (APC: B lymphocytes, dendritic cells, macrophages). The alpha chain is approximately 33-35 kDa and its gene contains 5 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the two extracellular domains, and exon 4 encodes the transmembrane domain and the cytoplasmic tail. DRA does not have polymorphisms in the peptide binding part and acts as the sole alpha chain for DRB1, DRB3, DRB4 and DRB5. [provided by RefSeq]</p> |
| Other Designations | HLA class II histocompatibility antigen, DR alpha chain MHC cell surface glycoprotein histocompatibility antigen HLA-DR alpha                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Pathway

- [Allograft rejection](#)
- [Antigen processing and presentation](#)
- [Asthma](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Graft-versus-host disease](#)
- [Hematopoietic cell lineage](#)
- [Systemic lupus erythematosus](#)
- [Type I diabetes mellitus](#)

## Disease

- [Abortion](#)
- [Alzheimer disease](#)

- [Anticipation](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Atrial Fibrillation](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Cerebrovascular Accident](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Enterovirus Infections](#)
- [Food Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [IgA Deficiency](#)
- [Latex Hypersensitivity](#)

- [Lichen Planus](#)
- [Lupus Erythematosus](#)
- [Multiple Sclerosis](#)
- [Myasthenia Gravis](#)
- [Neuroblastoma](#)
- [Obesity](#)
- [Parkinson Disease](#)
- [Respiratory Tract Infections](#)
- [Sarcoidosis](#)
- [Spondylitis](#)
- [Uveomeningoencephalitic Syndrome](#)