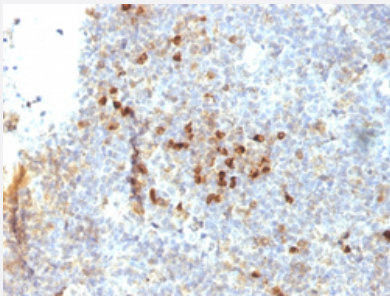


HLA-DRA monoclonal antibody, clone 19-26.1(MB-26.1)

Catalog # MAB14282 Size 100 ug

Applications



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with HLA-DRA monoclonal antibody, clone 19-26.1(MB-26.1) (Cat # MAB14282).

Specification

Product Description	Mouse monoclonal antibody raised against native human HLA-DRA.
Immunogen	Raji cells.
Host	Mouse
Theoretical MW (kDa)	36, 27
Reactivity	Human
Form	Liquid
Purification	Protein A/G purification
Isotype	IgG2a, kappa
Recommend Usage	Flow Cytometry (0.5-1 ug/10 ⁶ cells in 0.1 mL) Immunofluorescence (0.5-1 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-2 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM PBS.

Storage Instruction

Store at -20 to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human tonsil with HLA-DRA monoclonal antibody, clone 19-26.1(MB-26.1) (Cat # MAB14282).

- Immunofluorescence

- Flow Cytometry

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 [142860](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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]

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](#)