

HLA-DRA monoclonal antibody, clone TAL 1B5

Catalog # MAB7019

Size 100 ug

Specification

Product Description	Mouse monoclonal antibody raised against HLA-DRA.
Immunogen	Human bristol 8 separated alpha chain preparation
Host	Mouse
Reactivity	Human
Specificity	HLA DR (TAL 1B5). Western blots to dimer and DR alpha chain. MW 33KDa.
Form	Liquid
Isotype	IgG1
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay

Gene Info — HLA-DRA

Entrez GeneID

[3122](#)

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

Publication Reference

- [Production and characterization of monoclonal antibodies recognizing the alpha-chain subunits of human Ia alloantigens.](#)

Adams TE, Bodmer JG, Bodmer WF.

Immunology 1983 Dec; 50(4):613.

Application: IP, Recombinant protein

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](#)