

ARG67070 anti-MHC Class II antibody [SQab30343]

Package: 100 µl
Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | Recombinant Rabbit Monoclonal antibody [SQab30343] recognizes MHC class II |
| Tested Reactivity | Hu |
| Tested Application | IHC-P |
| Host | Rabbit |
| Clonality | Monoclonal |
| Clone | SQab30343 |
| Isotype | IgG |
| Target Name | MHC Class II |
| Species | Human |
| Immunogen | Recombinant protein fragment of MHC Class II |
| Conjugation | Un-conjugated |
| Alternate Names | HLA-DRA, Major Histocompatibility Complex, Class II, DR Alpha, HLA-DRA1, HLA Class II Histocompatibility Antigen, DR Alpha Chain, MHC Class II Antigen DRA, Histocompatibility Antigen HLA-DR Alpha |

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|-------------|
| | IHC-P | 1:100-1:200 |
| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. | |

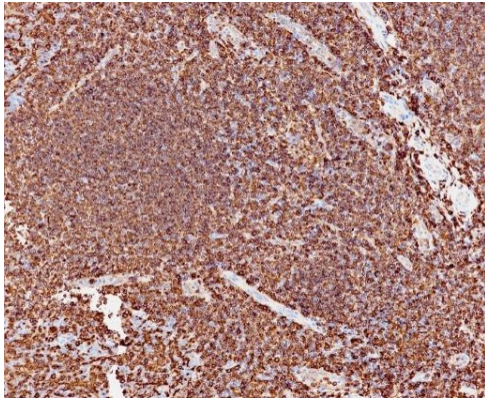
Properties

| | |
|---------------------|---|
| Form | Liquid |
| Purification | Purification with Protein A. |
| Buffer | PBS, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA. |
| Preservative | 0.01% Sodium azide |
| Stabilizer | 40% Glycerol and 0.05% BSA |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

Bioinformation

| | |
|-----------------------|---|
| Gene Symbol | HLA-DRA |
| Gene Full Name | Major Histocompatibility Complex, Class II, DR Alpha |
| Background | 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. This molecule is expressed on the surface of various antigen presenting cells such as B lymphocytes, dendritic cells, and monocytes/macrophages, and plays a central role in the immune system and response by presenting peptides derived from extracellular proteins, in particular, pathogen-derived peptides to T cells. 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, Aug 2020] |
| Function | An alpha chain of antigen-presenting major histocompatibility complex class II (MHCII) molecule. In complex with the beta chain HLA-DRB, displays antigenic peptides on professional antigen presenting cells (APCs) for recognition by alpha-beta T cell receptor (TCR) on HLA-DR-restricted CD4-positive T cells. This guides antigen-specific T-helper effector functions, both antibody-mediated immune response and macrophage activation, to ultimately eliminate the infectious agents and transformed cells. [UniProt] |
| PTM | Disulfide bond, Glycoprotein, Isopeptide bond, Ubl conjugation. |
| Cellular Localization | Cell membrane, Cytoplasmic vesicle, Endoplasmic reticulum, Endosome, Lysosome, Membrane, MHC II. |

Images



ARG67070 anti-MHC Class II antibody [SQab30343] IHC-P image

Immunohistochemistry: Human tonsil tissue stained with ARG67070 anti-MHC Class II antibody [SQab30343] at 1:100 dilution.