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HLA-DQ (MHC II) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone SPM422]
Catalog # AH11428

Specification

HLA-DQ (MHC II) Antibody - With BSA and Azide - Product Information

Application	**,2,3,4,**
Primary Accession	P01908
Other Accession	3117, 3118, 3119, 550475, P01909, P01920
Reactivity	**Human, Pig**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**Mouse / IgG2a, kappa**
Calculated MW	**60kDa KDa**

HLA-DQ (MHC II) Antibody - With BSA and Azide - Additional Information

Storage
Store at 2 to 8°C.Antibody is stable for 24 months.

Precautions
HLA-DQ (MHC II) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

HLA-DQ (MHC II) Antibody - With BSA and Azide - Protein Information

HLA-DQ (MHC II) Antibody - With BSA and Azide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HLA-DQ (MHC II) Antibody - With BSA and Azide - Images

HLA-DQ (MHC II) Antibody - With BSA and Azide - Background

Recognizes a DQ antigen, which is a dimer of 60kDa. The class II molecule is a heterodimer consisting of an alpha (DQA) and a beta chain (DQB), 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 33-35kDa. It is encoded by 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. Within the DQ molecule both the alpha chain and the beta chain contain the polymorphisms specifying the peptide binding specificities, resulting in up to four different molecules. Typing for these polymorphisms is routinely done for bone marrow transplantation.ĀThis MAb strongly blocks cytotoxicity activity of T4-positive cytotoxic T cell clones.

HLA-DQ (MHC II) Antibody - With BSA and Azide - References

Spits H; Keizer G; Borst J; Terhorst C; Hekman A; de Vries JE. Characterization of monoclonal antibodies against cell surface molecules associated with cytotoxic activity of natural and activated killer cells and cloned CTL lines. Hybridoma, 1983, 2(4):423-37. | Spits H., Borst J., Giphan M., Coligan J., Terhorst C. and de Vries J., Eur. J. Immunol. 14, (1984). | Bontrop R., Schreuder G., Mikalski E., van Miltenburg R. and Giphan M., Tissue Antigens, 27, (1986). |