

MHC Class II Rabbit mAb

Catalog No: #49525



Package Size: #49525-1 50ul #49525-2 100ul

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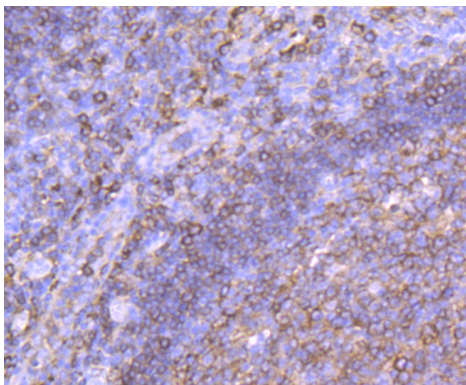
Description

Product Name	MHC Class II Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JA10-94
Purification	ProA affinity purified
Applications	WB, IP, ICC/IF, IHC
Species Reactivity	Human
Immunogen Description	recombinant protein
Conjugates	Unconjugated
Other Names	D6S221E antibody DMA antibody DMB antibody DP beta 1 antibody DP beta 1 chain antibody DP(W4) beta chain antibody DPB 1 antibody DPB1 antibody DPB1_HUMAN antibody DRB antibody H2Ea antibody HLA class II histocompatibility antigen antibody HLA class II histocompatibility antigen DM beta chain antibody HLA class II histocompatibility antigen, DP beta 1 chain antibody HLA class II histocompatibility antigen, DP(W4) beta chain antibody HLA DMB antibody HLA DP1A antibody HLA DPB1 antibody HLA SB alpha chain antibody HLA-A antibody HLA-A histocompatibility type antibody HLA-DP antibody HLA-DP histocompatibility type, beta-1 subunit antibody HLA-DP1B antibody HLA-DPB antibody HLA-DPB1 antibody HLADM antibody HLADP1B antibody HLASB antibody HLASB histocompatibility type antibody Human MHC class II HLA SB alpha antibody LA class II histocompatibility antigen DP alpha 1 chain antibody Major histocompatibility complex class II antibody Major histocompatibility complex class II DP alpha 1 antibody Major histocompatibility complex class II DP beta 1 antibody Major histocompatibility complex, class I, A antibody MHC class II antigen DMB antibody MHC class II antigen DPB1 antibody MHC class II DP3 alpha antibody MHC class II DPA1 antibody MHC class II HLA-DP-beta-1 antibody MHC DPB1 antibody MHC HLA DPB1 antibody PLT1 antibody Primed lymphocyte test 1 antibody RING6 antibody RING7 antibody
Accession No.	Swiss-Prot#:P04440
Calculated MW	29 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

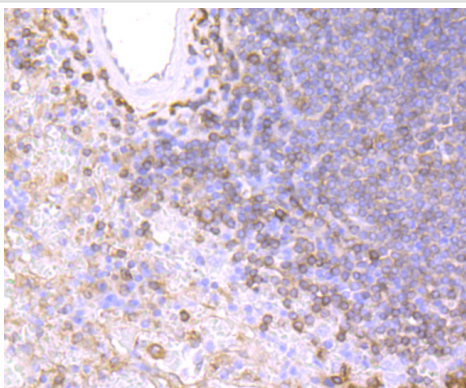
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 ICC: 1:50-1:100 IP: 1:10-1:50

Images



Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti- MHC Class II antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti- MHC Class II antibody. Counter stained with hematoxylin.

Background

Major histocompatibility complex (MHC) molecules, also designated human leukocyte antigen (HLA) molecules, are cell-surface receptors that bind foreign peptides and present them to T lymphocytes. MHC class I molecules consist of two polypeptide chains, an α or heavy chain and β -2-Microglobulin, a non-covalently associated protein. Cytotoxic T lymphocytes bind antigenic peptides presented by MHC class I molecules. Antigens that bind to MHC class I molecules are typically eight to ten residues in length and are stabilized in a peptide binding groove. MHC class II molecules are encoded by polymorphic MHC genes and consist of a non-covalent complex of an α and β chain. Helper T lymphocytes bind antigenic peptides presented by MHC class II molecules. MHC class II molecules bind 13-18 amino acid antigenic peptides. Accumulating in endosomal/lysosomal compartments and on the surface of B cells, HLA-DM and -DO molecules regulate binding of exogenous peptides to class II molecules (HLA-DR) by sustaining a conformation that favors peptide exchange. The differential structural properties of MHC class I and class II molecules account for their respective roles in activating different populations of T lymphocytes.

References

1. Feng M et al. ALV-J strain SCAU-HN06 induces innate immune responses in chicken primary monocyte-derived macrophages. *Poult Sci* N/A:N/A (2016).
2. Arebro J et al. Antigen-presenting epithelial cells can play a pivotal role in airway allergy. *J Allergy Clin Immunol* N/A:N/A (2015).

Published Papers

et al., Paroxetine Attenuates Cardiac Hypertrophy Via Blocking GRK2 and ADRB1 Interaction in Hypertension. In *J Am Heart Assoc* on 2021 Jan 5 by Xuejing Sun, Mengli Zhou, et al.. PMID:33372534, (2021)
[PMID:33372534](https://pubmed.ncbi.nlm.nih.gov/33372534/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.