

Rabbit HLA-DR Monoclonal Antibody | anti-HLA-DR antibody

HLA-DR Antibody

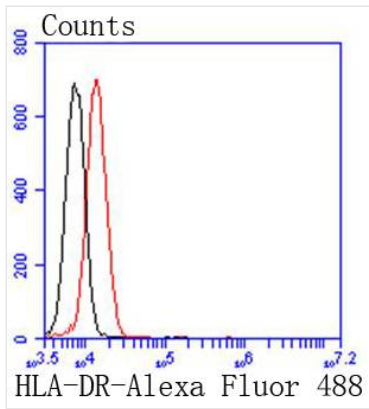
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30136	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

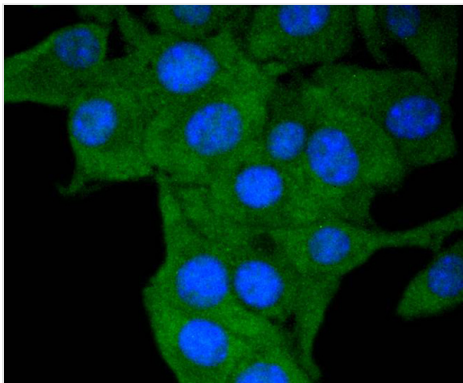
HLA-DR; Monoclonal Antibody; HLA-DR Antibody; DR alpha chain antibody; DR alpha chain precursor antibody; DRA_HUMAN antibody; DRB1 antibody; DRB4 antibody; Histocompatibility antigen HLA DR alpha antibody; HLA class II histocompatibility antigen antibody; HLA class II histocompatibility antigen DR alpha chain antibody; HLA DR1B antibody; HLA DR3B antibody; HLA DRA antibody; HLA DRA1 antibody; HLA DRB1 antibody; HLA DRB3 antibody; HLA DRB4 antibody; HLA DRB5 antibody; HLA-DRA antibody; HLADR4B antibody; HLADRA1 antibody; HLADRB antibody; Major histocompatibility complex class II DR alpha antibody; Major histocompatibility complex class II DR beta 1 antibody; Major histocompatibility complex class II DR beta 3 antibody; Major histocompatibility complex class II DR beta 4 antibody; Major histocompatibility complex class II DR beta 5 antibody; MGC117330 antibody; MHC cell surface glycoprotein antibody; MHC class II antigen DRA antibody; MHC II antibody; MLRW antibody; anti-HLA-DR antibody

PRODUCT SPECIFICATIONS

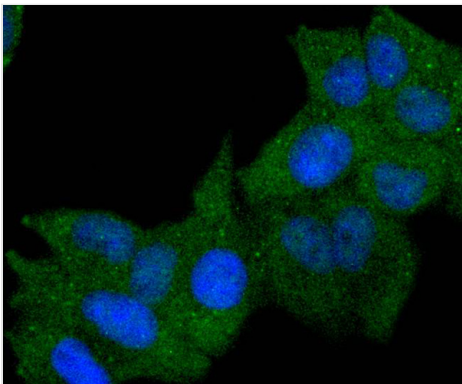
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Clone Number	SC06-78
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-HLA-DR antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000-5000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100
Immunogen	Recombinant protein
Preparation and Storage	Store at -20°C.



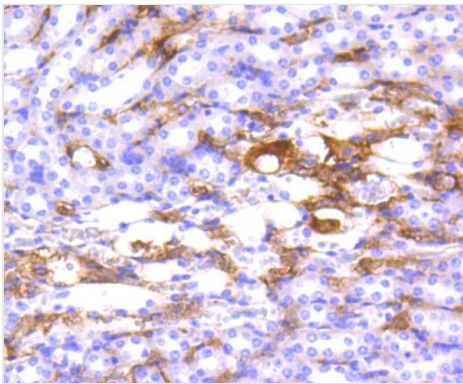
FCM (Flow Cytometry)
Flow cytometric analysis of Jurkat cells with HLA-DR antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.



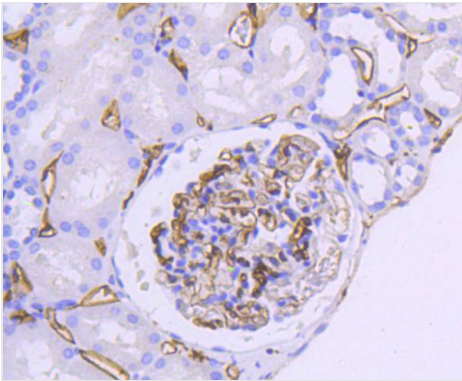
ICC (Immunocytochemistry)
ICC staining HLA-DR in B16-F1 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



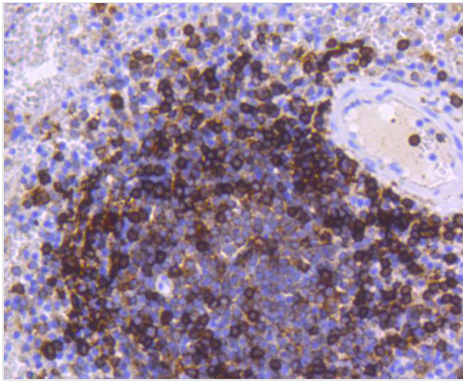
ICC (Immunocytochemistry)
ICC staining HLA-DR in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded mouse kidney tissue using anti-HLA-DR antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-HLA-DR antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-HLA-DR antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DR antibody	Major histocompatibility complex (MHC) class II molecules destined for presentation to CD4+ helper T cells is determined by two key events. These events include the dissociation of class II-associated invariant chain peptides (CLIP) from an antigen binding groove in MHC II alpha/beta dimers through the activity of MHC molecules HLA-DM and -DO, and subsequent peptide antigen binding. Accumulating in endosomal/lysosomal compartments and on the surface of B cells, HLA-DM, -DO molecules regulate the dissociation of CLIP and the subsequent binding of exogenous peptides to HLA class II molecules (HLA-DR, -DQ and -DP) by sustaining a conformation that favors peptide exchange. RFLP analysis of HLA-DM genes from rheumatoid arthritis (RA) patients suggests that certain polymorphisms are genetic factors for RA susceptibility. HLA-B belongs to the HLA class I heavy chain paralogs. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. HLA-B and -C can form heterodimers consisting of a membrane anchored heavy chain and a light chain (beta-2-Microglobulin). Polymorphisms yield hundreds of HLA-B and -C alleles.
Product Categories/Family for anti-HLA-DR antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	122206
NCBI GeneID	3122
UniProt Accession #	P01903; Q30160; Q6IAZ1; Q861I2; Q9TP70; A2BET4
Molecular Weight	Calculated MW: 29 kDa
NCBI Official Full Name	HLA class II histocompatibility antigen, DR alpha chain
NCBI Official Synonym Full Names	major histocompatibility complex, class II, DR alpha
NCBI Official Symbol	HLA-DRA
NCBI Official Synonym Symbols	MLRW; HLA-DRA1
NCBI Protein Information	HLA class II histocompatibility antigen, DR alpha chain; MHC class II antigen DRA; MHC cell surface glycoprotein; histocompatibility antigen HLA-DR alpha
UniProt Protein Name	HLA class II histocompatibility antigen, DR alpha chain
UniProt Gene Name	HLA-DRA
UniProt Synonym Gene Names	HLA-DRA1
UniProt Entry Name	DRA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.