

Mouse anti-Human HLA-DR Monoclonal Antibody | anti-HLA-DR antibody

Mouse anti-HLA-DR Monoclonal Antibody, Purified [LN3]

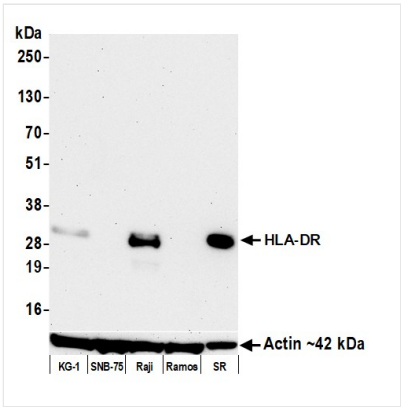
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23780	Mouse	Human	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

HLA-DR; Monoclonal Antibody; Mouse anti-HLA-DR Monoclonal Antibody; Purified [LN3]; MHC class II antigen DRA; HLA-DRA1; histocompatibility antigen HLA-DR alpha; HLA class II histocompatibility antigen; DR alpha chain; major histocompatibility complex; class II; DR alpha; anti-HLA-DR antibody

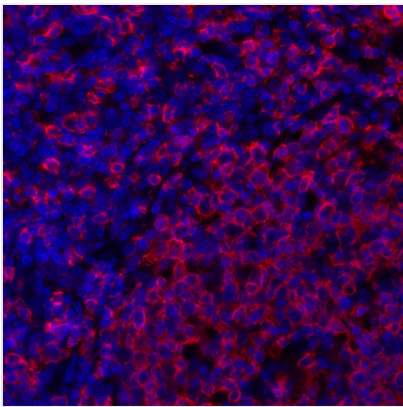
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	LN3
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Phosphate Buffered Saline (PBS) with 0.1% BSA and 0.09% Sodium Azide
Concentration	50ug/ml (varies by lot)
Applicable Applications for anti-HLA-DR antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:1000 IHC: 1:100-1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE tissue sections. ICC: 1:100-1:500. Epitope retrieval with citrate buffer pH 6.0 is recommended for FFPE cell sections. IHC-IF: 1:100 to 1:500. Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE cell sections. FC/FACS: Live or cells fixed in 4% formaldehyde and permeabilized with 90% methanol. 0.5 ul per 1 x 10 ⁶ cells.
Immunogen	Activated human peripheral blood mononuclear cells
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt



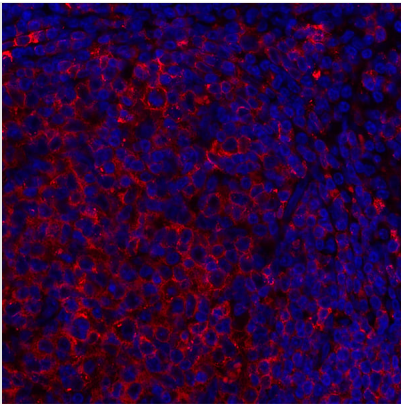
WB (Western Blot)

Detection of human HLA-DR by western blot. Samples: Whole cell lysate (50 ug) from KG-1, SNB-75, Raji, Ramos, and SR (10 ug) cells prepared using NETN lysis buffer. Antibody: Mouse anti-HLA-DR monoclonal antibody [LN3] (AAA23780 lot 2) used at 1:1000. Secondary: HRP-conjugated goat anti-mouse IgG . Detection: Chemiluminescence with an exposure time of 3 minutes. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



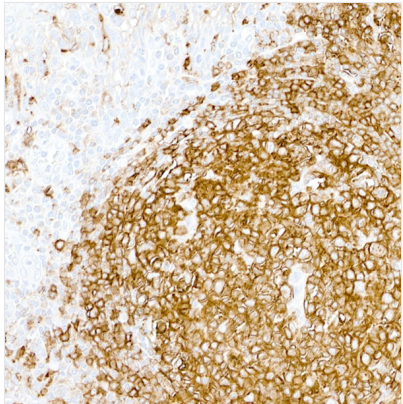
IHC (Immunohistochemistry)

Detection of human HLA-DR (red) by immunohistochemistry. Sample: FFPE section of human tonsil. Antibody: Mouse anti-HLA-DR monoclonal antibody [LN3] (AAA23780 lot 1) used at 1:250. Secondary: HRP-conjugated goat anti-Mouse IgG . Substrate: Opal. Counterstain: DAPI (blue).



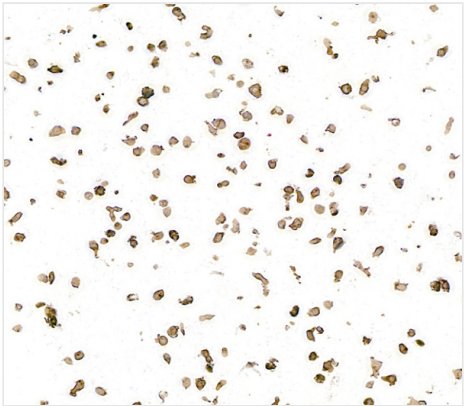
IHC (Immunohistochemistry)

Detection of human HLA-DR by immunohistochemistry. Sample: FFPE section of human tonsil. Antibody: Mouse monoclonal anti-HLA-DR antibody [LN3] (AAA23780 lot 1) used at 1:100. Secondary: DyLight 594-conjugated goat anti-mouse IgG .



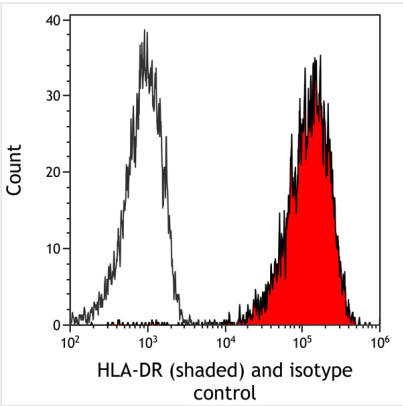
IHC (Immunohistochemistry)

Detection of human HLA-DR by immunohistochemistry. Sample: FFPE section of tonsil. Antibody: Mouse anti-HLA-DR monoclonal antibody [LN3] (AAA23780-2). Secondary: HRP-conjugated goat anti-mouse IgG .



ICC (Immunocytochemistry)

Detection of human HLA-DR by immunocytochemistry. Sample: FFPE section of SR cells. Antibody: Mouse anti-HLA-DR monoclonal antibody [LN3] (AAA23780-2). Secondary: HRP-conjugated goat anti-mouse IgG .



FCM (Flow Cytometry)

Detection of human HLA-DR (shaded) in Daudi cells by flow cytometry. Antibody: Mouse anti-HLA-DR monoclonal antibody [LN3] (AAA23780) or isotype control (unshaded). Secondary: DyLight 488-conjugated goat anti-mouse IgG .

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DR antibody	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 [taken from NCBI Entrez Gene (Gene ID: 3122)].
Product Categories/Family for anti-HLA-DR antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	52426774
NCBI GeneID	3122
NCBI Accession #	NP_061984.2
NCBI GenBank Nucleotide #	NM_019111.4
UniProt Accession #	P01903; Q30160; Q6IAZ1; Q861I2; Q9TP70; A2BET4
Molecular Weight	28,607 Da
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 cell surface glycoprotein; MHC class II antigen DRA; 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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/hla-dr-antibody-clone-ln3-western-blot-immunohistochemistry-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/23780>