

Mouse anti-Human HLA-DR/DP/DQ Monoclonal Antibody | anti-HLA-DR/DP/DQ antibody

Mouse anti-HLA-DR/DP/DQ Monoclonal Antibody [CR3/43]

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213513	Mouse	Human	Immunocytochemistry, Immunohistochemistry, Western Blot

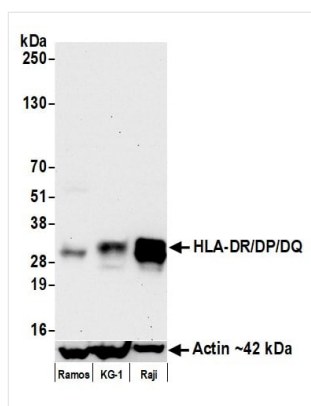
PRODUCT SYNONYMS

HLA-DR/DP/DQ; Monoclonal Antibody; Mouse anti-HLA-DR/DP/DQ Monoclonal Antibody [CR3/43]; 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/DP/DQ antibody

PRODUCT SPECIFICATIONS

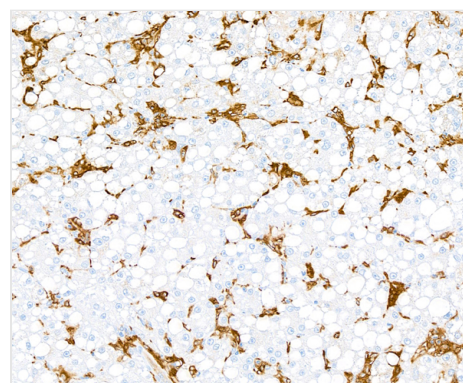
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	CR3/43
Purity/Purification	Purified
Form/Format	Liquid. Whole IgG. Phosphate Buffered Saline (PBS) with 0.1% BSA and 0.09% Sodium Azide
Concentration	250ug/ml (varies by lot)
Applicable Applications for anti-HLA-DR/DP/DQ antibody	ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Cells from human tonsil
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



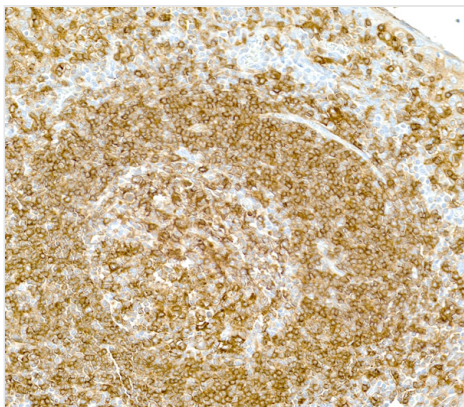
WB (Western Blot)

Detection of human HLA-DR/DP/DQ by western blot. Samples: Whole cell lysate (50 ug) from Ramos, KG-1, and Raji (10 ug) cells prepared using NETN lysis buffer. Antibody: Mouse anti-HLA-DR/DP/DQ monoclonal antibody [CR3-43] (AAA213513 lot 1) used at 1:1000. Secondary: HRP-conjugated goat anti-mouse IgG . Detection: Chemiluminescence with an exposure time of 30 seconds. Lower Panel: Rabbit anti-Actin recombinant monoclonal antibody .



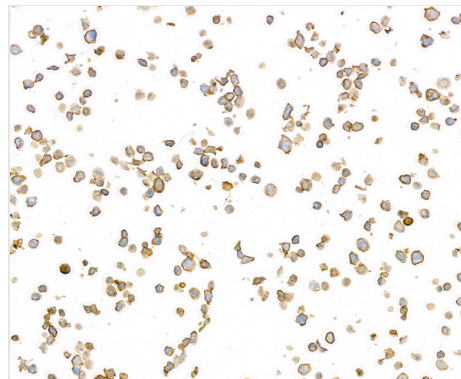
IHC (Immunohistochemisry)

Detection of human HLA/DR/DP/DQ by immunohistochemistry. Sample: FFPE section of liver carcinoma. Antibody: Mouse anti-HLA/DR/DP/DQ monoclonal antibody [CR3/43] (AAA213513-1). Secondary: HRP-conjugated goat anti-mouse IgG .



IHC (Immunohistochemistry)

Detection of human HLA-DR/DP/DQ by immunohistochemistry. Sample: FFPE section of tonsil. Antibody: Mouse anti-HLA-DR/DP/DQ monoclonal antibody [CR3/43] (AAA213513-1). Secondary: HRP-conjugated goat anti-mouse IgG .



ICC (Immunocytochemistry)

Detection of human HLA-DR/DP/DQ by immunocytochemistry. Sample: FFPE section of VLN3G2 cells. Antibody: Mouse anti-HLA-DR/DP/DQ monoclonal antibody [CR3/43] (AAA213513-1). Secondary: HRP-conjugated goat anti-mouse IgG .

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-DR/DP/DQ antibody	In humans, Major Histocompatibility Locus (MHC) class II molecules are encoded by three different loci, HLA-DR,-DQ, and-DP, which display ~70% similarity to each other. Polymorphism is a notable feature of MHC class II genes. HLA-DR, HLA-DP, and HLA-DQ are heterodimeric cell surface glycoproteins comprised of an alpha (heavy) chain and a beta (light) chain. They are expressed on B cells, activated T cells, monocytes/macrophages, dendritic cells, and other non-professional APCs. In conjunction with the CD3/TCR complex and CD4 molecules, HLA-DR is critical for efficient peptide presentation to CD4+ T cells. Variations in the HLA gene expression are crucial to graft survival.
Product Categories/Family for anti-HLA-DR/DP/DQ 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-dq-antibody-clone-cr3-43-immunocytochemistry-immunohistochemistry-western-blot-elisa/213513>