Mouse CD74 Monoclonal Antibody | anti-CD74 antibody

CD74 (B-Cell Marker) Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62657	**Mouse**	**Human, Baboon, Mouse.Does not react with Rat**	**Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

PRODUCT SYNONYMS

CD74; Monoclonal Antibody; CD74 (B-Cell Marker) Mouse Monoclonal Antibody; CLIP; DHLAG; Gamma chain of class II antigens; HLA class II histocompatibility antigen gamma chain; HLA-DR antigens-associated invariant chain; HLADR-gamma (HLADG); Ia antigen-associated invariant chain; Ia-gamma; Major histocompatibility complex class II invariant chain; MHC HLA-DR gamma chain; anti-CD74 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Baboon, Mouse. Does not react with Rat
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	LN-2
Specificity	It recognizes a protein of ~35kDa, identified as CD74 (Workshop IV). CD74 is a type II transmembrane protein which binds to the peptide binding groove of newly synthesized MHC class II alpha/beta heterodimers and prevents their premature association with endogenous polypeptides. CD74 is expressed primarily by antigen presenting cells, such as B-lymphocytes (from before the pre-B cell stage to before the plasma cell stage), macrophages, and monocytes, and many epithelial cells. Anti-CD74 stains predominantly germinal center lymphocytes and B-cell lymphomas, but rarely T-cell lymphomas. Anti-CD74 has been shown to be useful in differentiating atypical fibroxanthoma (-) from malignant fibrous histiocytoma (+).
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Applicable Applications for anti-CD74 antibody	IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell Surface and paranuclear globular
Immunogen	SU-DHL-4 lymphoma cells
Hu-Chromosome Location	5q33.1
Positive Control	Daudi or Raji Cells. Tonsil or lymph node.
Preparation and Storage	Antibody without azide- store at -20C to -80°C. Antibody is stable for 24 months. Non hazardous. No MSDS required.

IMAGES

WB (Western Blot)
Western blot analysis of Raji cell lysate using CD74 Mouse Monoclonal Antibody (LN-2).

FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of Human Raji cells using CD74 Mouse Monoclonal Antibody (LN-2) followed by Goat anti-Mouse IgG-CF488 (Blue). Isotype Control (Red).

IF (Immunofluorescence)
Immunofluorescence Analysis of Raji cells labeling CD74 with CD74 Mouse Monoclonal Antibody (LN-2) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Reddot (Red

IHC (Immunohiostchemistry)
Formalin-fixed, paraffin-embedded human Spleen stained with CD74 Mouse Monoclonal Antibody (LN-2).

IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Tonsil stained with CD74 Monoclonal Antibody (LN-2).

ADDITIONAL INFORMATION

References	Epstein AL et. al. J of Immunology 133: 1028-1036, 1984. Marder RJ et. al. Lab Invest 52: 497-504, 1985

NCBI AND UNIPROT INFORMATION

NCBI GeneID	972
UniProt Accession #	P044233; P04233
Molecular Weight	33-41kDa
NCBI Official Synonym Full Names	CD74 molecule
NCBI Official Symbol	CD74
NCBI Official Synonym Symbols	II; DHLAG; HLADG; Ia-GAMMA
NCBI Protein Information	HLA class II histocompatibility antigen gamma chain

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/cd74-antibody-clone-ln-2-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/62657