CD74 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CD74, Monoclonal Antibody
Full Product Name	CD74 (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 cla
Product Gene Name	anti-CD74 antibody
Product Synonym Names	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
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	SPM523
Host	Mouse
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight405.
Purity/Purification	Purified by Protein A/G Affinity Chromatography.
Specificity	Recognizes CD74. Species Crossreactivity: Human, Mouse
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight405 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	3341
3D Structure	ModBase 3D Structure for P044233
Immunogen	SU-DHL-4 lymphoma cells. Cellular Localization: Cell surface and paranuclear globular
Conjugate	MaxLight405
Positive Control	Daudi Cells. Tonsil or lymph node.
Product Categories/Family for anti-CD74 antibody	Antibodies; CD Markers
Applications Tested/Suitable for anti-CD74 antibody	Flow Cytometry (FC/FACS), FLISA, Immunofluorescence (IF), Immunohistochemistry (IHC), Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-CD74 antibody	IP: 1-2ug/500ug protein lysate FC/FACS: 0.5-1ug/million cells IHC: 0.5-1ug/ml for 30 minutes at RT WB: 0.5-1ug/ml IF: 1-2ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-CD74 antibody	MBS6193959 is an antibody targeting CD74. Also known as CD74 (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 cla. Reactive in Human, Mouse. Host: Mouse.

Product References and Citations for anti-CD74 antibody	1. Epstein AL et. al. J of Immunology 133: 1028-1036, 1984. 2. Marder RJ et. al. Lab Invest 52: 497-504, 1985.
Other Notes	Small volumes of anti-CD74 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CD74. It may not necessarily be applicable to this product.

NCBI GeneID	972; 16149
UniProt Primary Accession #	P044233
UniProt Secondary Accession #	P04441
Protein Family	H-2 class II histocompatibility antigen
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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