

Mouse anti-Human CD74 Monoclonal Antibody | anti-CD74 antibody

Anti-Human CD74 Monoclonal Antibody (Alexa Fluor 488 Conjugated)

CATALOG # AAA174741	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay
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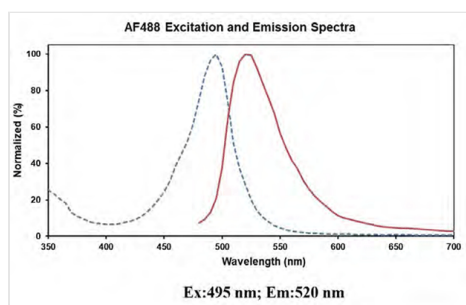
PRODUCT SYNONYMS

CD74; Monoclonal Antibody; Anti-Human CD74 Monoclonal Antibody (Alexa Fluor 488 Conjugated); HLA class II histocompatibility antigen gamma chain; Ia antigen-associated invariant chain; Ii; p33; DHLAC; anti-CD74 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Clone Number	LN2
Form/Format	Liquid; PBS with 0.05% Proclin 300, 1% BSA
Sequence Length	296
Applicable Applications for anti-CD74 antibody	FCM/FACS (Flow Cytometry)
Conjugation	AF488
Recommended Use	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. The amount of the reagent is suggested to be used 5 uL of antibody per test (million cells in 100 uL staining volume or per 100 uL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
Preparation and Storage	Store at 2-8°C and protect from prolonged exposure to light. Do not freeze.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-CD74 antibody	CD74 is a type II transmembrane glycoprotein also known as MHC class II associated invariant chain, invariant chain, li, MHC class II chaperone, and MIF receptor. CD74 exists in four isoforms with molecular masses of 33, 35, 41, and 43 kD, depending on genetic splicing. CD74 is primarily expressed on antigen presenting cells, including B cells, monocytes/macrophages, dendritic cells, and Langerhans cells. It is also expressed by activated T cells and activated endothelial and epithelial cells as well as carcinomas of lung, renal, gastric and thymic origin. The primary function of CD74 is intracellular sorting of MHC class II molecules and regulation of exogenous peptide loading onto MHC class II. It is also involved in the modulation of B cell differentiation and positive selection of CD4+ T cells. It has been reported that CD74 binds MIF (macrophage migration inhibitory factor) and signals through CD44 to regulate innate and adaptive immunity. It is also reported that H. pylori infection occurs through urease B binding of CD74 on gastric epithelial cells, inducing gastric epithelial cell apoptosis, NF-kappaB activation, and IL-8 production.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	20178292
NCBI GeneID	972
UniProt Accession #	P04233
NCBI Official Full Name	HLA class II histocompatibility antigen gamma chain
NCBI Official Synonym Full Names	CD74 molecule
NCBI Official Symbol	CD74
NCBI Official Synonym Symbols	II; p33; DHLAG; HLADG; Ia-GAMMA
NCBI Protein Information	HLA class II histocompatibility antigen gamma chain
UniProt Protein Name	HLA class II histocompatibility antigen gamma chain
UniProt Gene Name	CD74
UniProt Synonym Gene Names	DHLAG; li
UniProt Entry Name	HG2A_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://www.aaabiotech.com/monoclonal/cd74-antibody-clone-ln2-flow-cytometry-elisa/174741>