

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

Recombinant Anti-CD74 Antibody, Rabbit Monoclonal

CATALOG # AAA255319	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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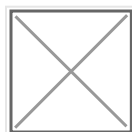
PRODUCT SYNONYMS

CD74; Monoclonal Antibody; Recombinant Anti-CD74 Antibody; Rabbit Monoclonal; CD74 Antibody; Rabbit MAb; CD74 molecule; major histocompatibility complex; class II invariant chain; Anti-DHLAG Antibody; Anti-HLAG Antibody; Anti-Ia-GAMMA Antibody; Anti-II Antibody; anti-CD74 antibody

PRODUCT SPECIFICATIONS

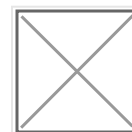
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	301
Specificity	Human CD74
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CD74 antibody	IHC (Immunohistochemistry), ELISA
Antibody Type	Recombinant Antibody
Immunogen	Recombinant Human CD74 protein
Conjugation	Unconjugated
Preparation	This antibody was obtained from a rabbit immunized with purified, recombinant Human CD74 (rh CD74).
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human CD74 in human colon carcinoma with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human CD74 in human gastric cancer with rabbit monoclonal antibody (1:200, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-CD74 antibody	The cluster of differentiation (CD) system is commonly used as cell markers in Immunophenotyping. Different kinds of cells in the immune system can be identified through the surface CD molecules associating with the immune function of the cell. There are more than 320 CD unique clusters and subclusters have been identified. Some of the CD molecules serve as receptors or ligands important to the cell through initiating a signal cascade which then alter the behavior of the cell. Some CD proteins do not take part in cell signal process but have other functions such as cell adhesion. CD74, also known as HLA class2 histocompatibility antigen gamma chain and HLA-DR antigens-associated invariant chain, is a polypeptide involved in the formation and transport of MHC class2 protein. CD74 is expressed by B cells, macrophages, and Reed-Sternberg cells. When MHC class 2 protein was in the rough ER, its peptide-binding cleft was blocked by CD74 to prevent it from interacting with the endogenous peptides. CD74 also serves to facilitate MHC class2's export from ER.
References	Zola H, et al. (2007) CD molecules 2006-human cell differentiation molecules. J Immunol Methods. 318 (1-2): 1-5. Ho IC, et al. (2009) GATA3 and the T-cell lineage: essential functions before and after T-helper-2-cell differentiation. Nat Rev Immunol. 9 (2): 125-35. Matesanz-Isabel J, et al. (2011) New B-cell CD molecules. Immunology Letters. 134 (2): 104-12. Moynes R, et al. (1997) A marker to distinguish atypical fibroxanthoma from malignant fibrous histiocytoma. Cancer. 79 (11): 2115-24. Gabrielle FA, et al. (2008) Regulation of dendritic cell migration by CD74, the MHC class 2-associated invariant chain. Science. 322 (5908): 1705-10. Leng L, et al. (2003) MIF signal transduction initiated by binding to CD74. JEM. 197 (11): 1467-76.

NCBI AND UNIPROT INFORMATION

NCBI GI #	10835071
NCBI GeneID	972
NCBI Accession #	NP_004346.1
NCBI GenBank Nucleotide #	NM_004355.3
UniProt Accession #	P04233 ; Q14597 ; Q29832 ; Q5U0J8 ; Q8SNA0 ; Q8WLP6 ; A8K7R1 ; B4DNE8 ; D3DQG3 ; D3DQG4
Molecular Weight	18,328 Da
NCBI Official Full Name	HLA class II histocompatibility antigen gamma chain isoform b
NCBI Official Synonym Full Names	CD74 molecule, major histocompatibility complex, class II invariant chain
NCBI Official Symbol	CD74
NCBI Official Synonym Symbols	II; DHLAG; HLADG; Ia-GAMMA
NCBI Protein Information	HLA class II histocompatibility antigen gamma chain; p33; HLA-DR-gamma; MHC HLA-DR gamma chain; Ia-associated invariant chain; gamma chain of class II antigens; HLA-DR antigens-associated invariant chain; CD74 antigen (invariant polypeptide of major histo
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://stage.aaabiotech.com/monoclonal/cd74-antibody-clone-301-immunohistochemistry-elisa/255319>