

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

CD74 Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA179751	Rabbit	Human	Immunohistochemistry

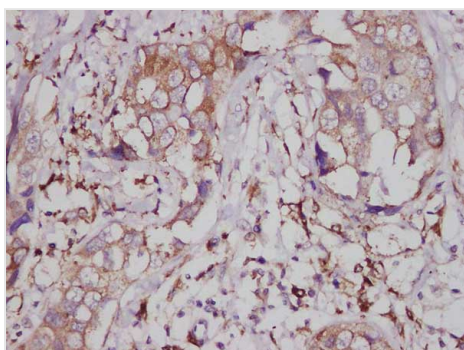
PRODUCT SYNONYMS

CD74; Polyclonal Antibody; CD74 Polyclonal Antibody; CD 74; CD74 antigen; CD74 antigen (invariant polypeptide of major histocompatibility complex; CD74 molecule; class II antigen-associated); class II invariant chain; CLIP; Gamma chain of class II antigens; HG2A; HLA DR antigens associated invariant chain; HLA DR gamma; HLADR antigens associated invariant chain; HLA-DR antigens-associated invariant chain; HLA-DR-gamma; Ia antigen associated invariant chain; Ia associated invariant chain; Ia gamma; Ia-GAMMA; Invariant polypeptide of major histocompatibility complex class II antigen associated; Ia-gamma; major histocompatibility complex; Major histocompatibility complex class II invariant chain; MHC HLA DR gamma chain; MHC HLA-DR gamma chain; p35; Protein 41; DHLAG; HLA class II histocompatibility antigen gamma chain; HLADG; Ia antigen-associated invariant chain; p33; CD 14; CD_antigen=CD14; CD14; CD14 antigen; CD14 molecule; LPS-R; Mo2; Monocyte differentiation antigen CD14; Monocyte differentiation antigen CD14 urinary form; membrane-bound form; Myeloid cell specific leucine rich glycoprotein; Myeloid cell-specific leucine-rich glycoprotein; Ia-GAMMA II; Ii; CD74 HLA-DR antigens-associated invariant chain; invariant chain; anti-CD74 antibody

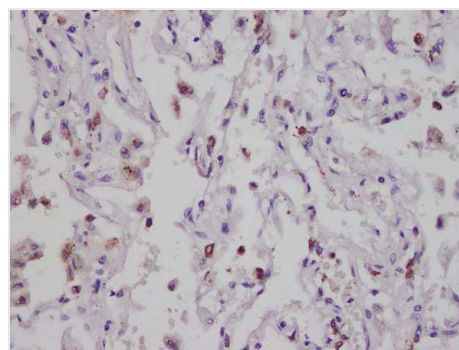
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen Affinity Purification
Form/Format	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH7.4
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-CD74 antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant Human CD74 protein expressed by E coli
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles. Protected from prolonged exposure to light.

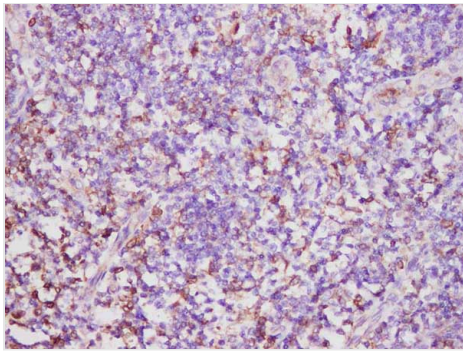
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human breast cancer using CD74 Polyclonal Antibody at dilution of 1:150.


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer using CD74 Polyclonal Antibody at dilution of 1:150.



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded Human tonsil using CD74 Polyclonal Antibody at dilution of 1:150.

ADDITIONAL INFORMATION

Related Product Information for anti-CD74 antibody	Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to the endosomal/lysosomal system where the antigen processing and binding of antigenic peptides to MHC class II takes place. Serves as cell surface receptor for the cytokine MIF. Class-II-associated invariant chain peptide binds to the peptide-binding site of MHC class II alpha/beta heterodimers forming an alpha-beta-CLIP complex, thereby preventing the loading of antigenic peptides to the MHC class II complex until its release by HLA-DM in the endosome. ¹ Publication Isoform p41 Stabilizes the conformation of mature CTSL by binding to its active site and serving as a chaperone to help maintain a pool of mature enzyme in endocytic compartments and extracellular space of antigen-presenting cells (APCs). Has antiviral activity by stymieing the endosomal entry of Ebola virus and coronaviruses, including SARS-CoV-2. Disrupts cathepsin-mediated Ebola virus glycoprotein processing, which prevents viral fusion and entry. This antiviral activity is specific to p41 isoform.
Product Categories/Family for anti-CD74 antibody	Polyclonal Antibodies ; Primary Antibodies ; Polyclonal Antibodies ; Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	20178292
NCBI GeneID	972
UniProt Accession #	P04233 ; Q14597 ; Q29832 ; Q5U0J8 ; Q8SNA0 ; Q8WLP6 ; A8K7R1 ; B4DNE8 ; D3DQG3 ; D3DQG4
Molecular Weight	296
NCBI Official Full Name	HLA class II histocompatibility antigen gamma chain
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.

