

## CD74 Rabbit mAb

Catalog No: #49365

Package Size: #49365-1 50ul #49365-2 100ul

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	CD74 Rabbit mAb
Clone No.	JF40-10
Purification	Affinity-chromatography
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu
Immunogen Description	A synthesized peptide derived from human CD74
Other Names	CD 74 antibody CD74 antibody CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated) antibody CD74 antigen antibody CD74 molecule antibody CD74 molecule, major histocompatibility complex, class II invariant chain antibody CLIP antibody DHLAG antibody Gamma chain of class II antigens antibody HG2A_HUMAN antibody HLA class II histocompatibility antigen gamma chain antibody HLA DR antigens associated invariant chain antibody HLA DR gamma antibody HLA-DR antigens-associated invariant chain antibody HLA-DR-gamma antibody HLADG antibody HLADR antigens associated invariant chain antibody Ia antigen associated invariant chain antibody Ia antigen-associated invariant chain antibody Ia associated invariant chain antibody Ia gamma antibody li antibody Invariant polypeptide of major histocompatibility complex class II antigen associated antibody Ia-gamma antibody Major histocompatibility complex class II invariant chain antibody MHC HLA DR gamma chain antibody MHC HLA-DR gamma chain antibody p33 antibody p35 antibody Protein 41 antibody
Accession No.	Swiss-Prot#:P04233
Uniprot	P04233
GeneID	972;
Calculated MW	34 kDa
Formulation	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

## Application Details

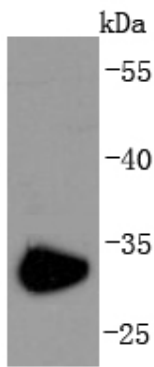
WB: 1:1,000-5,000

IHC: 1:50-1:200

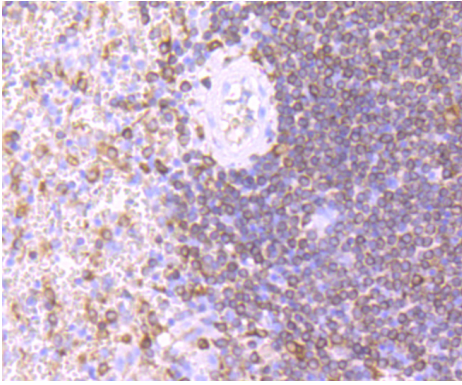
ICC: 1:50-1:200

FC: 1:50-1:100

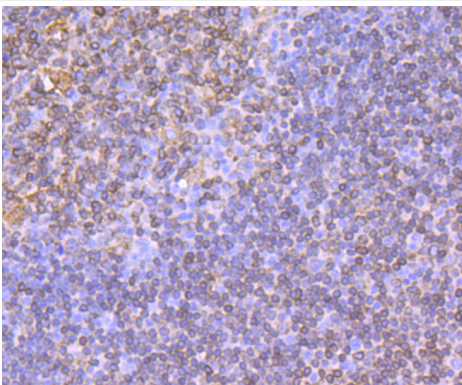
## Images



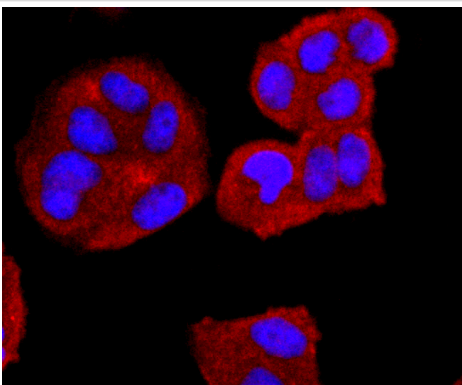
Western blot analysis of CD74 on Raji cells lysates using anti-CD74 antibody at 1/1,000 dilution.



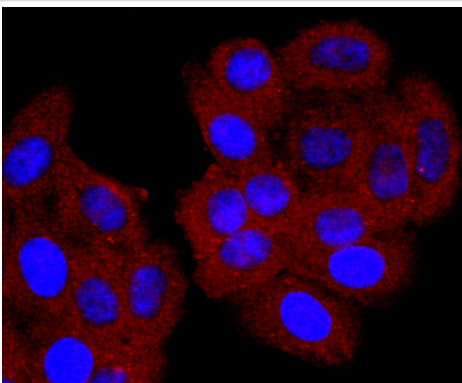
Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-CD74 antibody. Counter stained with hematoxylin.



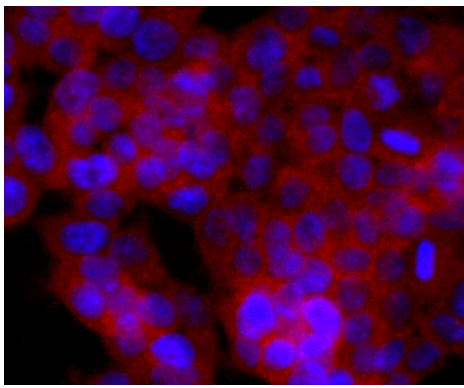
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-CD74 antibody. Counter stained with hematoxylin.



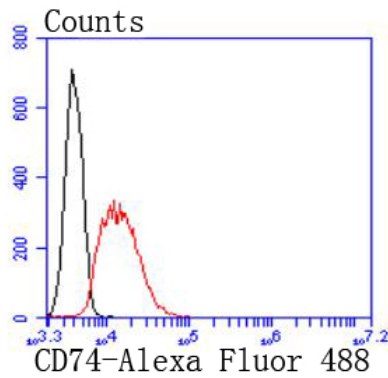
ICC staining CD74 in HeLa cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD74 in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining CD74 in 293T cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Jurkat cells with CD74 antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

## Background

The human histocompatibility leukocyte antigen (HLA) class II-associated invariant chain is composed of at least four polypeptides. One of these polypeptide chains is expressed as a membrane-bound subunit and has been designated CD74. The loading of peptide onto the class II MHC protein (MHC II) appears to be regulated by CD74, which associates with MHC II during its migration to the endosomal compartment, where class II binds peptide. CD74 is expressed by cells of both T lymphocyte and B lymphocyte lineages. In fact, CD74 is broadly expressed in normal B lymphocytes, regardless of their histocompatibility leukocyte antigen (HLA) phenotype, while a subset of peripheral T lymphocytes that are MHC II negative do not express CD74.

Note: This product is for in vitro research use only