

For Research Use Only

# CD74 Monoclonal antibody, PBS Only

Catalog Number: 66390-1-PBS



## Basic Information

Catalog Number:

66390-1-PBS

Size:

100ug, Concentration: 1mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG2a

Immunogen Catalog Number:

AG25503

GenBank Accession Number:

BC018726

GeneID (NCBI):

972

UNIPROT ID:

P04233

Full Name:

CD74 molecule, major histocompatibility complex, class II invariant chain

Calculated MW:

34 kDa

Observed MW:

33 kDa

Purification Method:

Protein A purification

CloneNo.:

2D8A1

## Applications

Tested Applications:

WB, IF/ICC, Indirect ELISA

Species Specificity:

human

## Background Information

CD74, also known as MHC class II invariant chain Ii or HLA-DR-associated invariant chain, is a non-polymorphic type II transmembrane glycoprotein. CD74 is mainly distributed in B cells, monocytes, Langerhans cells, dendritic cells and thymic epithelial cells, and is also expressed in epithelial cells. CD74 plays a key role in MHC class II antigen processing and also serves as a cell surface receptor for the macrophage cytokine MIF. CD74 plays an important role in cardiovascular diseases such as atherosclerosis, ischemic heart disease, and myocardial hypertrophy. (PMID: 15475450; PMID: 27752708; PMID: 38992165; PMID: 36712241).

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

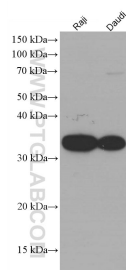
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66390-1-Ig (CD74 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66390-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed Raji cells using CD74 antibody (66390-1-Ig, Clone: 2D8A1 ) at dilution of 1:800 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66390-1-PBS in a different storage buffer formulation.