CD74 Monoclonal antibody, PBS Only

Catalog Number:66390-1-PBS

proteintech®
Antibodies I ELISA kits I Proteins
www.ptglab.com

Basic Information

Catalog Number:
66390-1-PBS

Size:
1mg/ml

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).
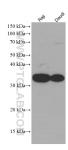
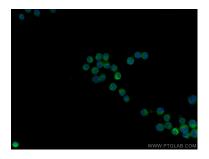## Storage

Storage:
Store at -80℃.
The product is shipped with ice packs. Upon receipt, store it immediately at -80℃
Storage Buffer:
PBS Only

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.