

For Research Use Only

CD74 Monoclonal antibody

Catalog Number: 66390-1-Ig **7 Publications**



Basic Information

Catalog Number: 66390-1-Ig	GenBank Accession Number: BC018726	Purification Method: Protein A purification
Size: 150ul , Concentration: 2000 ug/ml by 972 Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): UNIPROT ID: P04233	CloneNo.: 2D8A1
Source: Mouse	Full Name: CD74 molecule, major histocompatibility complex, class II invariant chain	Recommended Dilutions: WB 1:1000-1:6000 IF/ICC 1:400-1:1600
Isotype: IgG2a	Calculated MW: 34 kDa	
Immunogen Catalog Number: AG25503	Observed MW: 33 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls: WB : Raji cells, Ramos cells, Daudi cells
Cited Applications: WB, IF	IF/ICC : Raji cells,
Species Specificity: human	
Cited Species: 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Jian Wu	34297096	Int Immunol	WB
Shenghua Liu	39702554	Commun Biol	IF
Brihget Sicairos	39131350	bioRxiv	WB

Storage

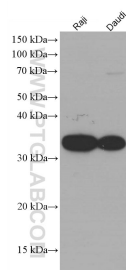
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.



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).