

For Research Use Only

CD74 Monoclonal antibody

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



Basic Information

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

Applications

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|--|--|
| Tested Applications: WB, IF/ICC, ELISA | Positive Controls: WB : Raji cells, Ramos cells, Daudi cells IF/ICC : Raji cells, |
| Cited Applications: WB, IF | |
| 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

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

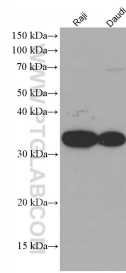
T: 4006900926

E: Proteintech-CN@ptglab.com

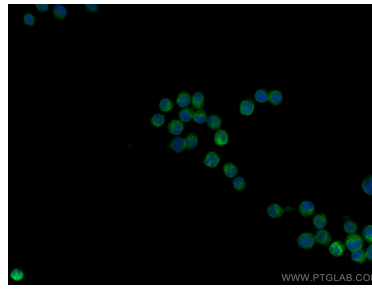
W: ptgcn.com

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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.



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).