

Product Name: CD74 Mouse Monoclonal Antibody**Catalog #: AMM81248**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ICC,ELISA,FC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Purified antibody in PBS with 0.05% sodium azide
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ICC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	33.5kDa

Antigen Information

Gene Name	CD74
Alternative Names	II; DHLAG; HLADG; Ia-GAMMA
Gene ID	972.0
SwissProt ID	P04233
Immunogen	Purified recombinant fragment of human CD74 (AA: 1-106) expressed in E. Coli.

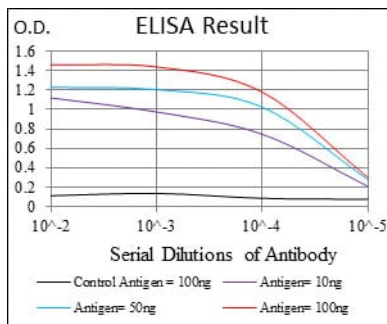
Background

The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell

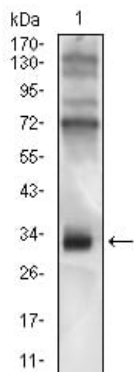
proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Research Area

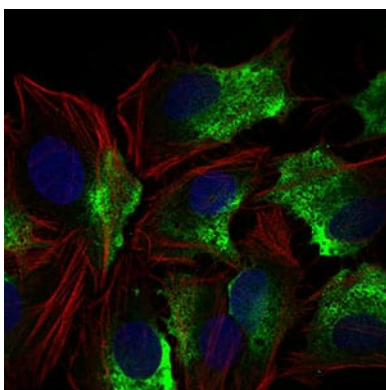
Image Data



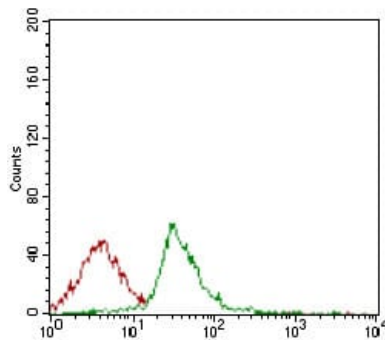
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



Western blot analysis using CD74 mouse mAb against Raji cell lysate.



Immunofluorescence analysis of HeLa cells using CD74 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of Jurkat cells using CD74 mouse mAb (green) and negative control (red).