

Anti-CD74 / CLIP Antibody (clone M-B741, Azide-free)
Mouse Anti Human Monoclonal Antibody
Catalog # ALS17843**Specification**

Anti-CD74 / CLIP Antibody (clone M-B741, Azide-free) - Product Information

| | |
|-------------------|---------------------------|
| Application | IHC-P, FC |
| Primary Accession | P04233 |
| Predicted | Human |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype | IgG2a |
| Calculated MW | 33516 |
| Dilution | IHC-P~~N/A FC~~1:10~50 |

Anti-CD74 / CLIP Antibody (clone M-B741, Azide-free) - Additional Information**Gene ID 972**Alias Symbol **CD74****Other Names**

CD74, CD74 antigen, DHLAG, HLADG, HLA-DR-gamma, Ia-associated invariant chain, p33, MHC HLA-DR gamma chain, Ia-GAMMA

Target/Specificity

CD74 molecule of about 33 kd.

Reconstitution & Storage

Protein A purified

Precautions

Anti-CD74 / CLIP Antibody (clone M-B741, Azide-free) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CD74 / CLIP Antibody (clone M-B741, Azide-free) - Protein Information**Name** CD74 ([HGNC:1697](#))**Synonyms** DHLAG**Function**

Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to the endosomal/lysosomal system where the antigen processing and binding of antigenic peptides to MHC class II takes place. Serves as cell surface receptor for the cytokine MIF. [Isoform p41]: Stabilizes the conformation of mature CTSL by binding to its active site and serving as a chaperone to help maintain a pool of mature enzyme in endocytic

compartments and extracellular space of antigen-presenting cells (APCs). Has antiviral activity by stymieing the endosomal entry of Ebola virus and coronaviruses, including SARS-CoV-2 (PubMed:32855215). Disrupts cathepsin-mediated Ebola virus glycoprotein processing, which prevents viral fusion and entry. This antiviral activity is specific to p41 isoform (PubMed:32855215).

Cellular Location

Cell membrane; Single-pass type II membrane protein. Endoplasmic reticulum membrane. Golgi apparatus, trans-Golgi network. Endosome. Lysosome. Secreted. Note=Transits through a number of intracellular compartments in the endocytic pathway. It can either undergo proteolysis or reach the cell membrane

Tissue Location

Detected in urine (at protein level). [Isoform p33]: In B cells, represents 70% of total CD74 expression.

Anti-CD74 / CLIP Antibody (clone M-B741, Azide-free) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CD74 / CLIP Antibody (clone M-B741, Azide-free) - Images