

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

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

Application	IHC-P, Flo
Primary Accession	<a href="#">P04233</a>
Predicted	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Calculated MW	33516

**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:<a href="http://www.uniprot.org/citations/32855215" target="\_blank">32855215</a>). Disrupts cathepsin-mediated Ebola virus glycoprotein processing, which prevents viral fusion and entry. This antiviral activity is specific to p41 isoform (PubMed:<a href="http://www.uniprot.org/citations/32855215" target="\_blank">32855215</a>).

**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**