

# Anti-CD74 / CLIP Antibody (clone LN-2)

Mouse Anti Human Monoclonal Antibody  
Catalog # ALS18393

## Product Information

---

<b>Application</b>	IHC-P
<b>Primary Accession</b>	<a href="#">P04233</a>
<b>Predicted</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1,k
<b>Clone Names</b>	LN-2
<b>Calculated MW</b>	33516
<b>Concentration (mg/ml)</b>	0.2 mg/ml

## Additional Information

---

<b>Gene ID</b>	972
<b>Alias Symbol</b>	CD74
<b>Other Names</b>	CD74, CD74 antigen, DHLAG, HLADG, HLA-DR-gamma, Ia-associated invariant chain, p33, MHC HLA-DR gamma chain, Ia-GAMMA
<b>Target/Specificity</b>	Human CD74
<b>Reconstitution &amp; Storage</b>	Purified
<b>Precautions</b>	Anti-CD74 / CLIP Antibody (clone LN-2) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	CD74 ( <a href="#">HGNC:1697</a> )
<b>Synonyms</b>	DHLAG
<b>Function</b>	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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.