

**Product Name: CD74 (7D14) Rabbit Monoclonal Antibody**  
**Catalog #: AMRe08450**

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## Summary

<b>Production Name</b>	CD74 (7D14) Rabbit Monoclonal Antibody
<b>Description</b>	Rabbit Monoclonal Antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% BSA.
<b>Purification</b>	Affinity purification

## Immunogen

<b>Gene Name</b>	CD74
<b>Alternative Names</b>	CD74 antigen; CD74 molecule; CLIP; DHLAG;
<b>Gene ID</b>	972.0
<b>SwissProt ID</b>	P04233.A synthetic peptide of human CD74

## Application

<b>Dilution Ratio</b>	WB: 1:1000
<b>Molecular Weight</b>	34kDa

## Background

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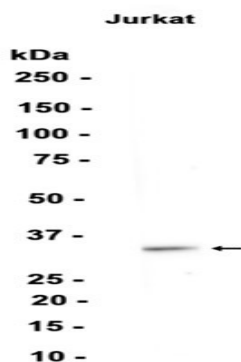
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Plays a critical role in MHC class II antigen processing by stabilizing peptide-free class II alpha/beta heterodimers in a complex soon after their synthesis and directing transport of the complex from the endoplasmic reticulum to the endosomal/lysosomal system where the antigen processing and binding of antigenic peptides to MHC class II takes place. 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>).

## Research Area

## Image Data



Western blot analysis of extracts from Jurkat cells using RM5105 at 1:1000.

## Note

For research use only.