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

For research use only.

Summary

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|----------------------|---|
| Description | Recombinant rabbit monoclonal antibody |
| Host | Rabbit |
| Application | IHC |
| Reactivity | Human |
| Conjugation | Unconjugated |
| Modification | Unmodified |
| Isotype | IgG |
| Clonality | Monoclonal |
| Form | Liquid |
| Concentration | 0.5mg/ml. The concentration of this product may be batch-dependent. |
| Storage | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| Shipping | Ice bags |
| Buffer | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% New type preservative N and 0.05% protective protein. |
| Purification | Affinity purification |

Application

| | |
|-------------------------|-----------------|
| Dilution Ratio | IHC 1:200-1:500 |
| Molecular Weight | 34kDa |

Antigen Information

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|--------------------------|---|
| Gene Name | CD74 |
| Alternative Names | CD74 antigen; CD74 molecule; CLIP; DHLAG; |
| Gene ID | 972.0 |
| SwissProt ID | P04233 |
| Immunogen | A synthetic peptide of human CD74 |

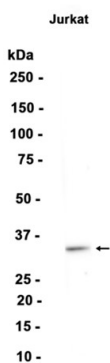
Background

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:32855215). Disrupts cathepsin-mediated Ebola virus glycoprotein processing, which prevents viral fusion and entry. This antiviral activity is specific to p41 isoform (PubMed:32855215).

Research Area

Image Data



Western blot analysis of extracts from Jurkat cells using CD74 (7D14) Rabbit Monoclonal Antibody at 1:1000.