

## CD74 Polyclonal Antibody

catalog number: AN006060L

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

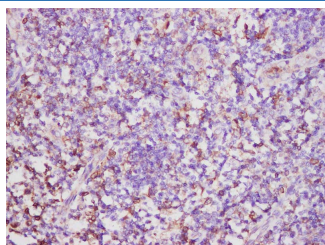
|                     |  |
|---------------------|--|
| <b>Reactivity</b>   | Human  |
| <b>Immunogen</b>    | Recombinant Human CD74 protein expressed by E.coli                       |
| <b>Host</b>         | Rabbit   |
| <b>Isotype</b>      | IgG  |
| <b>Purification</b> | Antigen Affinity Purification  |
| <b>Conjugation</b>  | Unconjugated   |
| <b>Buffer</b>       | PBS with 0.05% Proclin300, 1% protective protein and 50% glycerol, pH7.4 |

### Applications

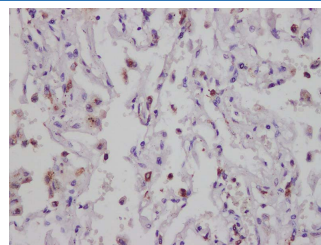
### Recommended Dilution

|            |            |
|------------|------------|
| <b>IHC</b> | 1:50-1:100 |
|------------|------------|

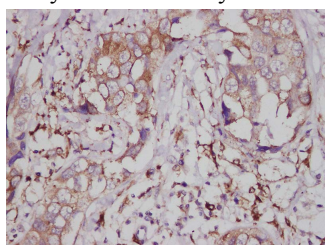
### Data



Immunohistochemistry of paraffin-embedded Human tonsil using CD74 Polyclonal Antibody at dilution of 1:150.



Immunohistochemistry of paraffin-embedded Human lung cancer using CD74 Polyclonal Antibody at dilution of 1:150.



Immunohistochemistry of paraffin-embedded Human breast cancer using CD74 Polyclonal Antibody at dilution of 1:150.

### Preparation & Storage

|                 |  |
|-----------------|--|
| <b>Storage</b>  | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.  |
| <b>Shipping</b> | The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended. |

### 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. Serves as cell surface receptor for the cytokine MIF.

Class-II-associated invariant chain peptide

Binds to the peptide-binding site of MHC class II alpha/beta heterodimers forming an alpha-beta-CLIP complex, thereby preventing the loading of antigenic peptides to the MHC class II complex until its release by HLA-DM in the endosome.

1 Publication

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.

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