

For Research Use Only

# Recombinant Mouse Cd74 protein (rFc Tag)



Catalog Number: Eg2716

## Basic Information

**Species:**  
Mouse

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
rFc Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<1.0 EU/ µg protein, LAL method

**Source:**

HEK293-derived Mouse Cd74 protein Gln56-Leu279 (Accession# P04441-1) with a rabbit IgG Fc tag at the C-terminus.

**GeneID:**

16149

**Accession:**

P04441-1

**Predicted Molecular Mass:**

28.0 kDa

**SDS-PAGE:**

**Formulation:**

Lyophilized from sterile PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

CD74, also known as the invariant chain or HLA class II histocompatibility antigen gamma chain, is a type II transmembrane protein primarily expressed on antigen-presenting cells (APCs). It functions intracellularly as a chaperone for MHC class II molecules, facilitating their assembly and transport to the cell surface. CD74 also serves as a cell surface receptor for macrophage migration inhibitory factor (MIF), playing a role in cell survival and proliferation. Additionally, CD74 has been implicated in various diseases, including cancers and immune-related conditions, making it a potential therapeutic target.

## References

1. Bucala, Richard, and Idit Shachar. Mini reviews in medicinal chemistry vol. 14,14 (2014): 1132-8.
2. Li, Qiu-Lin et al. Frontiers in cardiovascular medicine vol. 9 (2023): 1049143.
3. Vargas, Jasmine, and Georgios Pantouris. International journal of molecular sciences vol. 24,21 (2023): 15981.
4. David, Keren et al. Cell reports vol. 41,5 (2022): 111572.

## Synonyms

## Selected Validation Data

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For technical support and original validation data for this product please contact

T: 027-87531629

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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