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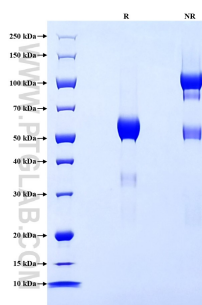
Recombinant Human CD74 protein (rFc Tag)



Catalog Number: Eg1945

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human CD74 protein Gln73-Met232 (Accession# P04233-2) with a rabbit IgG Fc tag at the N-terminus.</p> <p>GeneID: 972</p> <p>Accession: P04233-2</p> <p>Predicted Molecular Mass: 45.4 kDa</p> <p>SDS-PAGE: 50-65 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>CD74, also known as MHC class II invariant chain Ii or HLA-DR-associated invariant chain, is a non-polymorphic type II transmembrane glycoprotein. CD74 is mainly distributed in B cells, monocytes, Langerhans cells, dendritic cells and thymic epithelial cells, and is also expressed in epithelial cells. CD74 plays a key role in MHC class II antigen processing and also serves as a cell surface receptor for the macrophage cytokine MIF. CD74 plays an important role in cardiovascular diseases such as atherosclerosis, ischemic heart disease, and myocardial hypertrophy.</p>		
References	<ol style="list-style-type: none">1. Burton JD. et al. (2004). Clin Cancer Res. 10(19):6606-6611.2. Su H. et al. (2017). Inflamm Res. 66(3):209-216.3. Zhang L. et al. (2024). Cell Mol Life Sci. 81(1):296.4. Li QL. et al. (2023). Front Cardiovasc Med. 9:1049143.		
Synonyms	Class-II-associated invariant chain peptide, DHLAG, HLADG, HLA-DR antigens-associated invariant chain, Ia antigen-associated invariant chain		

Selected Validation Data



Purity of Recombinant Human CD74 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

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

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