

Product datasheet

Recombinant Mouse CD74 protein (Fc Chimera) ab214606

Description

Product name	Recombinant Mouse CD74 protein (Fc Chimera)
Purity	>= 98 % SDS-PAGE.
Endotoxin level	< 5.000 Eu/mg
Expression system	HEK 293 cells
Accession	<u>P04441-2</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Mouse
Sequence	QQQGR LDKLTITSQN LQLESLRMKL PKSAKPVSQM RMAPLLMRP MSMDNMLLGP VKNVTKYGNM TQDHVMHLLT RSGPLEYPQL KGTFPENLKH LKNSMDGVNW KIFESWMKQW LLFEMSKNSL EEKKPTAPP KEPLDMEDLS SGLGVTRQEL GQVTL
Predicted molecular weight	55 kDa including tags
Amino acids	56 to 215
Additional sequence information	The extracellular domain of mouse CD74 (aa 56-215) Short Isoform is fused to the N-terminus of the Fc region of mouse IgG2a (NP_034675.1).

Specifications

Our **Abpromise guarantee** covers the use of **ab214606** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C long term. Avoid freeze /

thaw cycle. Stable for 12 months at -20°C.

Constituent: 100% PBS

Lyophilized from 0.2µm-filtered solution

Reconstitution

Reconstitute with 100 µl sterile water. Add 1X PBS to the desired protein concentration.

General Info

Function

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.

Sequence similarities

Contains 1 thyroglobulin type-1 domain.

Cellular localization

Cell membrane. Endoplasmic reticulum membrane. Golgi apparatus > trans-Golgi network. Endosome. Lysosome. Transits through a number of intracellular compartments in the endocytic pathway. It can either undergo proteolysis or reach the cell membrane.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors