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Product Datasheet

Recombinant Mouse CD74 (C-6His) EBT-EPT248

Article Name	Recombinant Mouse CD74 (C-6His)
Biozol Catalog Number	EBT-EPT248
Supplier Catalog Number	EPT248
Alternative Catalog Number	EBT-EPT248-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Mouse HLA Class II Histocompatibility Antigen Gamma Chain is produced by our Mammalian expression system and the target gene encoding Gln56-Leu215 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 19.4 KDa. Apparent molecular weight: 25-30 KDa, reducing conditions
UniProt	P04441
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.1 ng/µg (1 EU/µg) as determined by LAL test. Background: Mouse HLA class II histocompatibility antigen gamma chain (CD74), is a single-pass type II membrane glycoprotein which contains 1 thyroglobulin type-1 domain. Mouse CD74 shares 75% and 88% aa sequence identity with human and rat CD74, respectively. CD74 plays an important role in adaptive immunity, inflammation, and cancer. It 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 compartments where peptide loading of class II takes place. CD74 also associates with CD44 and binds with high affinity to the cytokine MIF, leading to inflammatory leukocyte responses, protection from tissue fibrosis, B cell proliferative and survival signaling, and the up-regulation of angiogenic factors in endometrial stromal cells
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