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Product Information

MemDX™ Membrane Protein Human CD74 (CD74 molecule) for Antibody Discovery

Cat. No.: **MP0728J**
This product is for research use only and is not intended for diagnostic use.

This product is a 33.3 kDa Human CD74 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
CD74

Protein Length
Full-length

Protein Class
Druggable Genome, Transmembrane

Molecular Weight
33.3 kDa

TMD
1

Sequence
MHRRRSRSCREDQKPVMDDQRDLISNNEQLPMLGRRPGAPESKCSRGALYTGFSILVTLLLAGQATTAYF
LYQQQGRLDKLTVTSQNLQLENLRMKLPKPPKPVSKMRMATPLLMQALPMGALPQGPMQNATKYGNMTED
HVMHLLQNADPLKVYPPLKGSFPENLRHLKNTMETIDWKVFESWMHHWLLFEMSRHSLEQKPTDAPPKVL
TKCQEEVSHIPAVHPGSFRPKCDENGNYLPLQCYGSIGYCWCVFPNGTEVPNTRSRGHHNCSESLELEDP
SSGLGVTKQDLGPVPM

Product Description

Expression Systems
HEK293T

Tag
C-Myc/DDK

Form
Liquid

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Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target

Target Protein

CD74

Full Name

CD74 molecule

Introduction

The protein encoded by this gene associates with class II major histocompatibility complex (MHC) and is an important chaperone that regulates antigen presentation for immune response. It also serves as cell surface receptor for the cytokine macrophage migration inhibitory factor (MIF) which, when bound to the encoded protein, initiates survival pathways and cell proliferation. This protein also interacts with amyloid precursor protein (APP) and suppresses the production of amyloid beta (Abeta). Multiple alternatively spliced transcript variants encoding different isoforms have been identified.

Alternative Names

II; p33; DHLAG; HLADG; Ia-GAMMA

Gene ID

972

UniProt ID

P04233

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