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Product Information

MemDX™ Membrane Protein Human CD55 (CD55 molecule (Cromer blood group))

Expressed in NS0 for Antibody Discovery, Partial (35-353aa)

Cat. No.: **MPX0542K**
This product is for research use only and is not intended for diagnostic use.

This product is a 36.0 kDa Human CD55 membrane protein expressed in NS0. 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
CD55

Protein Length
Partial (35-353aa)

Protein Class
Receptor; Immunity

Molecular Weight
36.0 kDa

Sequence
DCGLPPDVPNAQPALE
GRTSFPEDTVITYKCEESFVKIPGEKDSVICLKGSQWSDIEEFCNRSCEV
PTRLNSASLKQPYITQNYFPVGTVVEYECRPGYRREPSLSPKLTCLQNLK
WSTAVEFCKKKSCPNPGEIRNGQIDVPGGILFGATISFSCNTGYKLFGST
SSFCLISGSSVQWSDPLPECREIYCPAPPQIDNGIIQGERDHYGYRQSVT
YACNKGFTMIGEHSIYCTVNNDEGEWSGPPPECRGKSLTSKVPPTVQKPT
TVNVPTTEVSPTSQKTTTKTTTPNAQATRSTPVSRTTKHFHETTPNKGSG
TTS

Product Description

Activity
Yes

Expression Systems
NS0

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

LYOPH

Reconstitution

Reconstitute at 200 μg/mL in sterile PBS.

Endotoxin

<1.0 EU per 1 μg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Lyophilized from a 0.2 μm filtered solution in PBS.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

CD55

Full Name

CD55 molecule (Cromer blood group)

Introduction

This gene encodes a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM). Alternative splicing results in multiple transcript variants. The predominant transcript variant encodes a membrane-bound protein, but alternatively spliced transcripts may produce soluble proteins.

Alternative Names

CD55; CR; TC; DAF; CROM; CHAPLE; complement decay-accelerating factor; CD55 antigen; CD55 molecule, decay accelerating factor for complement (Cromer blood group); Cromer blood group antigen; Rh blood group D antigen; CD55 molecule (Cromer blood group)

Gene ID

1604

UniProt ID

P08174