

Recombinant Human CD99/MIC2/MIC2X/MIC2Y Protein

Catalog No.: RP00591 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	4267	P14209

Tags

C-Fc

Synonyms

CD99; HBA71; MIC2; MIC2X; MIC2Y;
MSK5X; CD99
antigen;HBA71;MIC2;MIC2X;MIC2Y;MS
K5X

Product Information

Source	Purification
HEK293 cells	> 95% by SDS- PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from a 0.2 μm filtered
solution of 20mM PB,150mM
NaCl,pH7.4.Contact us for customized
product form or formulation.

Reconstitution

Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled water.

Background

CD99 is a type I transmembrane glycoprotein and the founding member of the CD99 family of molecules. The extracellular domain of CD99 contains no identifiable motifs, its cytoplasmic region, although short, does have signal transduction capability. Cells known to express CD99 include fibroblasts, neutrophils, T cells, double positive thymocytes, CD34+ stem cells, monocytes and endothelial cells. Two types of CD99 isoforms have been classified. Native human CD99 is referred to as the long, or type I isoform. The best studied type II isoform shows an Asp-Gly substitution for the C terminal 27 amino acids. The type I and II isoforms have distinctive signal transduction pathways (FAKsrc for type I PI3K plus srcERK1/2 for type II), and mediate clearly different biological outcomes. Homophilic interaction between CD99 on the neutrophil and CD99 on the endothelial cell regulates the transendothelial migration of neutrophils during inflammation. Human CD99 has 48% aa sequence identity to mouse CD99.

Basic Information

Description

Recombinant Human CD99/MIC2/MIC2X/MIC2Y Protein is produced by Human cells expression system. The target protein is expressed with sequence (Asp23-Asp122) of human CD99/MIC2/MIC2X/MIC2Y (Accession #P14209) fused with an Fc tag at the C-terminus.

Bio-Activity

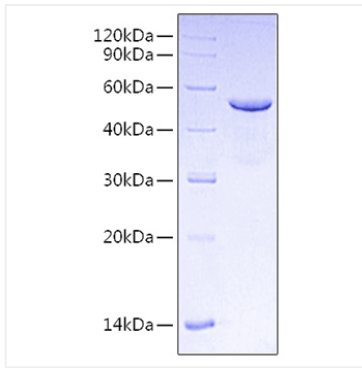
Storage

Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

Contact

 | www.abclonal.com

Validation Data



Recombinant Human
CD99/MIC2/MIC2X/MIC2Y Protein was
determined by SDS-PAGE under reducing
conditions with Coomassie Blue.