Biotinylated Recombinant Human MHC class I polypeptide-related sequence A/MIC-A Protein

Catalog No.: RP02440B

Sequence Information

Species
Human

Gene ID
100507436

Swiss Prot
Q96QC4

Tags
C-His&Avi

Synonyms
MICA, MIC-A, PERB11.1, MHC class I polypeptide-related sequence A,MIC-A,PERB11.1

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by Tris-Bis PAGE;≥ 95 % as determined by HPLC.

Calculated MW
35.8 kDa

Observed MW
60-68 kDa

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

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization. Contact us for customized product form or formulation.

Reconstitution
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Background

TMICA (MHC class I chain-related gene A) is a transmembrane glycoprotein that functions as a ligand for human NKG2D. A closely related protein, MICB, shares 85% amino acid identity with MICA. These proteins are distantly related to the MHC class I proteins. They possess three extracellular Ig-like domains, but they have no capacity to bind peptide or interact with beta 2-microglobulin.

Basic Information

Description
Biotinylated Recombinant Human MHC class I polypeptide-related sequence A/MIC-A Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala23-Gln308) of Human MHC class I chain-related protein A/MIC-A (Accession #) fused with His and Avi tag at the C-terminal.

Activity

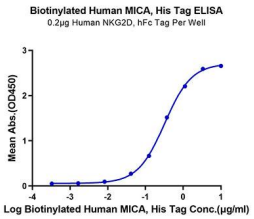
Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

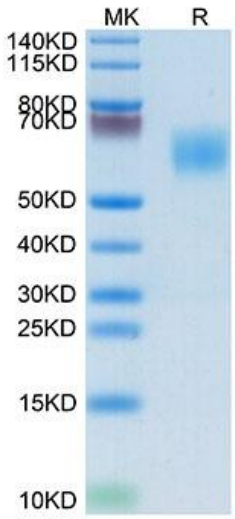
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

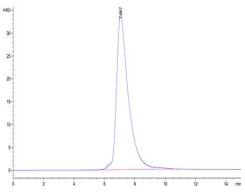
Validation Data



Immobilized Human NKG2D, hFc Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Biotinylated Human MICA, His Tag with the EC_{50} of 0.32μg/ml determined by ELISA.



Biotinylated Recombinant Human MHC class I polypeptide-related sequence A/MIC-A Protein was determined by Tris-Bis PAGE under reducing conditions with Coomassie Blue.



The purity of Biotinylated Human MICA is greater than 95% as determined by SEC-HPLC.