

Recombinant human MICA protein, C-His-Avi (HEK293), Biotin conjugated

Catalog Number: bs-47152P-Bio

Concentration: >0.5 mg/ml

AA Seq: 23-308/332

Predicted MW: 35.8

Detected MW: Due to glycosylation, the protein migrates to 55-70 kDa based on Tris-Bis PAGE result.

Tags: C-His-Avi

Activity: Not tested

Endotoxin: <1.0 EU/μg as determined by LAL

Purity: >95% as determined by Tris-Bis PAGE; >95% as determined by SEC-HPLC

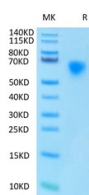
Purification: AC

Storage: Lyophilized from 0.22um filtered solution in PBS (pH7.4) with 5mM DTT. Normally 5% trehalose is added as protectant before Lyophilization.

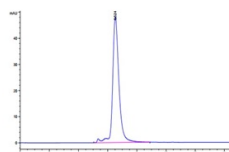
Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: The MHC class I chain-related (MIC) proteins are related to the Major histocompatibility complex (MHC) class I proteins which are ubiquitously expressed and mediate the recognition of intracellular antigens by cytotoxic T cells. The MHC class I chain-related (MIC) proteins are recognized by NKG2D, a receptor on NK and T cells, and promote anti-tumor activity. MICA, a member of the MIC family, is widely expressed on many tumors, and it is the MICA/NKG2D interaction that is thought to stimulate the anti-tumor reactivity by T lymphocytes. MICA is present in virtually every tissue except the nervous system, suggesting that MIC protein expression may only be one component of the anti-tumor activity of the immune system.

VALIDATION IMAGES



Recombinant human MICA Protein on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Recombinant human MICA Protein is greater than 95% as determined by SEC-HPLC.