

Mink Interferon Alpha 13 Protein, Recombinant from Baculovirus

Catalog No. NR-43943

This reagent is the property of the U.S. Government.

Product Description: A recombinant form of the mink interferon alpha (IFN- α) 13 protein with a glutathione S-transferase (GST) expression tag was produced in Sf9 insect cells using a baculovirus expression vector system, purified by GST affinity chromatography, treated with thrombin to remove the GST tag, and further purified prior to final formulation.

Lot: 61896920

Manufacturing Date: 10JAN2014

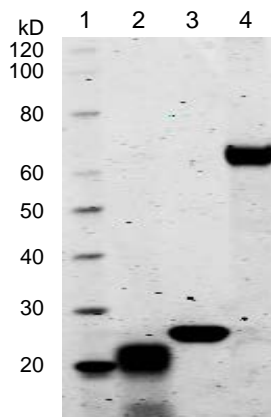
TEST	SPECIFICATIONS	RESULTS
Appearance	Clear and colorless	Clear and colorless
Purity by SDS-PAGE Densitometry Scan	Protein band of interest represents $\geq 90\%$ of total staining intensity above background	Protein band of ~ 20 kDa accounts for ~ 90% of total staining intensity above background (Figure 1)
Concentration by Bradford Assay ¹	Report results	520 μg per mL
Final Product Quantity per vial Volume per vial	Report results Report results	52 μg 100 μL
Identification by Western Blot ²	Report results	Reactive (Figure 2)
Identification by ELISA ^{2,3}	Report results	Reactive (Figure 3)
Endotoxin Content (Limulus Amoebocyte Lysate Assay)	Report results	< 100 EU per mg
Sterility	0.2 μm filtered	0.2 μm filtered

¹Using BSA as a standard

²Using serum from a mouse immunized by subcutaneous injection with recombinant mink IFN- α 13 emulsified in Freund's adjuvant

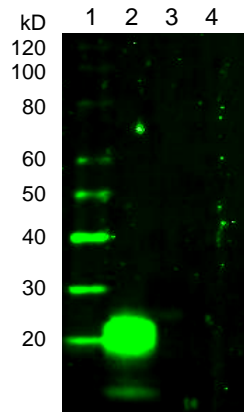
³Plates were coated with 20 ng per well of NR-43943; pre-immune serum was used as a negative control.

Figure 1: SDS-PAGE



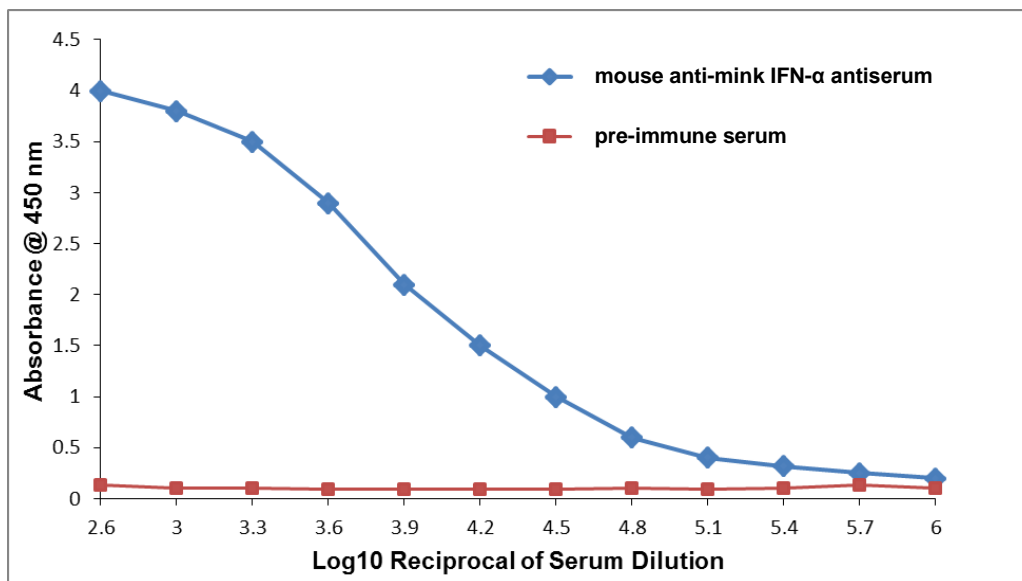
Lane 1: Magic Marker™ Standard
 Lane 2: NR-43943, 1.0 μg
 Lane 3: GST, 1.0 μg
 Lane 4: BSA, 1.0 μg

Figure 2: Western Blot



Lane 1: Magic Marker™ Standard
 Lane 2: NR-43943, 1.0 µg
 Lane 3: GST, 1.0 µg
 Lane 4: BSA, 1.0 µg

Figure 3: ELISA



Date: 31 MAR 2015

Signature: *Michael R. Gynther*

Title: Technical Manager, BEI Authentication or designee

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