

Interferon Alpha (IFNa) Active Protein | IFNa active protein

Active Interferon Alpha (IFNa)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA148155	293F cell	Mouse	Activity Assay, Cell Culture

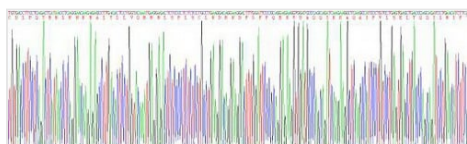
PRODUCT SYNONYMS

Interferon Alpha (IFNa); Active Interferon Alpha (IFNa); IFNA1; IFL; LeIF D; IFN; IFN-Alpha; IFNA13; IFN-A; IFNAP22; IFN-Alpha 1b; Interferon Alpha 1b; Interferon; Leukocytic; Leukocyte; Interferon alpha-D; IFNa active protein

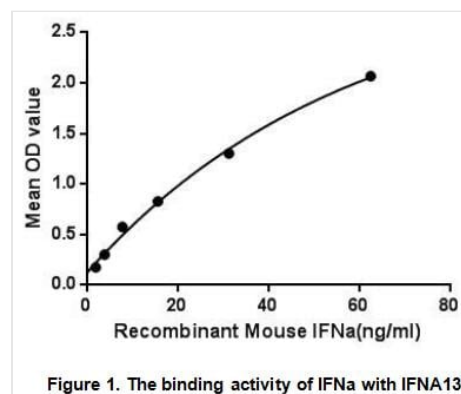
PRODUCT SPECIFICATIONS

Host	293F cell
Reactivity	Mouse
Purity/Purification	> 97%
Form/Format	Freeze-dried powder
Sequence Length	189
Applicable Applications for IFNa active protein	Activity Assay, Cell Culture
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Fragment	Cys24~Lys189
Isoelectric Point	9.1

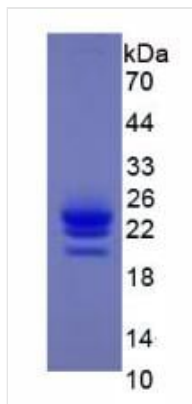
IMAGES



Application Data



Application Data



SDS-PAGE

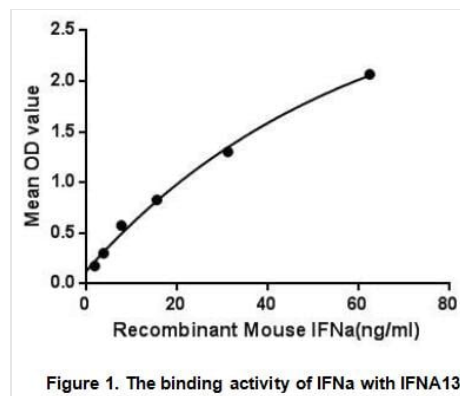


Figure 1. The binding activity of IFNα with IFNα13.

Activity

The Interferon-alpha (IFNα) proteins belong to type I interferons (IFNs) which a large subgroup of interferon proteins that help regulate the activity of the immune system. The IFNα proteins produced by leukocytes are also known as leukocyte interferon. They are mainly involved in innate immune response against viral infection. Besides, Interferon-alpha 13 (IFNα13) has been identified as an interactor of IFNα, thus a binding ELISA assay was conducted to detect the interaction of recombinant mouse IFNα and recombinant mouse IFNα13. Briefly, IFNα were diluted serially in PBS, with 0.01% BSA (pH 7.4). Duplicate samples of 100uL were then transferred to IFNα13-coated microtiter wells and incubated for 2h at 37 degree C. Wells were washed with PBST and incubated for 1h with anti-IFNαpAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody, wells were aspirated and washed 3 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 degree C. Finally, add 50uL stop solution to the wells and read at 450nm immediately. The binding activity of IFNα and IFNα13 was shown in Figure 1, and this effect was in a dose dependent manner.

ADDITIONAL INFORMATION

Product Categories/Family for IFNα active protein	Cytokine; Infection immunity
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117168293
NCBI GeneID	15962
NCBI Accession #	NP_034632.2
NCBI GenBank Nucleotide #	NM_010502.2
UniProt Accession #	P01572; Q7M0A3; Q810G7
Molecular Weight	Predicted Molecular Weight: 20.7kDa Accurate Molecular Weight: 20; 25kDa
NCBI Official Full Name	interferon alpha-1
NCBI Official Synonym Full Names	interferon alpha 1
NCBI Official Symbol	Ifna1
NCBI Official Synonym Symbols	Ifa1
NCBI Protein Information	interferon alpha-1
UniProt Protein Name	Interferon alpha-1
UniProt Gene Name	Ifna1
UniProt Synonym Gene Names	IFN-alpha-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/293f-cell-mouse-active-protein/interferon-alpha-ifna/148155>