

## ARG82814 Sheep IFN beta ELISA Kit

Package: 96 wells  
Store at: 4°C

### Summary

Product Description	ARG82814 Sheep IFN beta ELISA Kit is an Enzyme Immunoassay kit for the quantification of Sheep IFN beta in serum, plasma and cell culture supernatants.
Tested Reactivity	Sheep
Tested Application	ELISA
Specificity	Cross-Reactivity: Not react with BMP1, BMP2, BMP4, HGF, IL1 beta, IL1RA, IL2, IL4, IL5, IL6, IL8, IL10, IL12, IL15, MMP2, MMP9, TGF beta 1, TGF beta 2, TGF beta 3, TLR1, TLR2, TLR3, TNF alpha, TNF RI, TNF RII, sIL2R, sIL6R and VEGF.
Target Name	IFN beta
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	12.5 pg/ml
Sample Type	Serum, plasma and cell culture supernatants.
Standard Range	25 - 1600 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 6.0% Inter-Assay CV: 9.0%
Alternate Names	Fibroblast interferon; IFN-beta; IFNB; IFF; IFB; Interferon beta

### Application Instructions

Assay Time ~ 3 hours

### Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

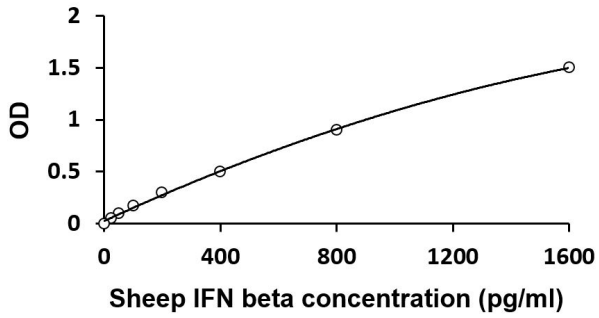
Gene Symbol	IFNB1
Gene Full Name	interferon, beta 1, fibroblast
Background	This gene encodes a cytokine that belongs to the interferon family of signaling proteins, which are released as part of the innate immune response to pathogens. The protein encoded by this gene belongs to the type I class of interferons, which are important for defense against viral infections. In

addition, type I interferons are involved in cell differentiation and anti-tumor defenses. Following secretion in response to a pathogen, type I interferons bind a homologous receptor complex and induce transcription of genes such as those encoding inflammatory cytokines and chemokines. Overactivation of type I interferon secretion is linked to autoimmune diseases. Mice deficient for this gene display several phenotypes including defects in B cell maturation and increased susceptibility to viral infection. [provided by RefSeq, Sep 2015]

Function	Has antiviral, antibacterial and anticancer activities. [UniProt]
Cellular Localization	Secreted. [UniProt]

## Images

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ARG82814 Sheep IFN beta ELISA Kit standard curve image

ARG82814 Sheep IFN beta ELISA Kit results of a typical standard run with optical density reading at 450 nm.