

Human Interferon alpha antibody (IFNA-Ab) ELISA Kit

Catalog No: #EK11771



Package Size: #EK11771-1 48T #EK11771-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Human Interferon alpha antibody (IFNA-Ab) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:7.8-500 pg/mL

Sensitivity:3.0 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate IFNA-Ab in samples. An antibody specific for IFNA-Ab has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyIFNA-Ab present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for IFNA-Ab is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of IFNA-Ab bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Streuli et al. (1980) showed that at least 3 different IFN-alpha genes are expressed in man. Furthermore, study of genomic DNA revealed the presence of at least 8 IFN genes.Nagata et al. (1980) found that the alpha-interferon genes are devoid of intervening sequences. Using radioactive probes from purified cDNA clones of interferons, Owerbach et al. (1981) located at least 8 leukocyte interferon genes and a fibroblast interferon gene on chromosome 9. Shows et al. (1982) found that the alpha- and beta-interferon genes are on 9p. The mapping to 9pter-q12 was accomplished by blot hybridization of cloned interferon cDNA to DNA from human-mouse cell hybrids with a translocation involving chromosome 9.

Note: This product is for in vitro research use only