Human Interferon-inducible protein AIM2 (AIM2) ELISA Kit

Catalog No: #EK7317

Package Size: #EK7317-1 48T #EK7317-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Human Interferon-inducible protein AIM2 (AIM2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PYHIN4;
Accession No.	O14862
Uniprot	O14862
GeneID	9447;
Storage	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. 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).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.063 ng/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 AIM2 in samples. An antibody specific for AIM2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyAIM2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AIM2 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 AIM2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:AIM2 plays a putative role in tumorigenic reversion and may control cell proliferation. Interferon-gamma induces expression of AIM2. AIM2 was expressed as a 39-kD protein following in vitro transcription/translation in rabbit reticulocyte lysate or transfection in a murine epithelial cell line. Cell fractionation showed that AIM2 localized primarily to the cytoplasm of transfected mouse cells.
Chromosome alterations in malignant melanoma most frequently include translocations and deletions on chromosome 1 or 6 . AIM2 encodes a deduced 344-amino acid protein that contains a conserved sequence domain of approximately 200 amino acids shared with interferon-inducible genes as well as a tyrosine kinase phosphorylation site.

Note: This product is for in vitro research use only