

Human Absent in melanoma 1 protein (AIM1) ELISA Kit



Catalog No: #EK7316

Orders: order@signalwayantibody.com

Package Size: #EK7316-1 48T #EK7316-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Absent in melanoma 1 protein (AIM1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CRYBG1; ST4; beta-gamma crystallin domain containing 1 suppression of tumorigenicity 4 (malignant melanoma)
Accession No.	Q9Y4K1
Uniprot	Q9Y4K1
GeneID	202;
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:0.312-20 ng/mL

Sensitivity:0.134 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 AIM1 in samples. An antibody specific for AIM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyAIM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AIM1 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 AIM1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**AIM1 (absent in melanoma-1) is a novel gene whose expression is altered in association with tumor suppression in a model of human melanoma . Chromosome banding analysis of human malignant melanoma documented nonrandom alteration in chromosome 6. All known members of this superfamily contain 2 or 4 characteristic motifs arranged in 1 or 2 symmetrical domains. AIM1, in contrast, contains 12 beta-gamma motifs, suggesting a 6-domain structure resembling a trimer of beta- or gamma-crystallin subunits. The structure of the AIM1 gene shows remarkable similarity to the beta-crystallin genes, with homologous introns delineating equivalent protein structural units.

Note: This product is for in vitro research use only