Human Angio-associated migratory cell protein (AAMP) ELISA Kit

Catalog No: #EK7604

Package Size: #EK7604-1 48T #EK7604-2 96T

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Description

Product Name	Human Angio-associated migratory cell protein (AAMP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Accession No.	Q13685
Uniprot	Q13685
GeneID	14;
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:31.25-2000 pg/mL

Sensitivity:7.8 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 AAMP in samples. An antibody specific for AAMP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyAAMP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AAMP 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 AAMP bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:AAMP is an immunoglobulin-type protein. It is found to be expressed strongly in endothelial cells, cytotrophoblasts, and poorly differentiated colon adenocarcinoma cells found in lymphatics.

The protein contains a WD40 domain and a heparin-binding domain which mediates heparin-sensitive cell adhesion.The predicted 452-amino acid, 49-kD protein contains a heparin-binding consensus sequence near the N terminus, an acidic region, immunoglobulin-like domains which identify it as an immunoglobulin superfamily member, 6 repeats with varying degrees of similarity to the WD40 repeat, and 1 potential transmembrane region. The authors detected a 1.6-kb AAMP transcript and a 52-kD AAMP protein in human tissues and cells.

Note: This product is for in vitro research use only