Mouse Keratinocyte autocrine factor/Amphiregulin (KAF/AR) ELISA Kit

Catalog No: #EK11333

Package Size: #EK11333-1 48T #EK11333-2 96T

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Description

Product Name	Mouse Keratinocyte autocrine factor/Amphiregulin (KAF/AR) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	AR; CRDGF; MGC13647; SDGF; colorectum cell-derived growth factor|schwannoma-derived growth factor
Accession No.	P31955
Uniprot	P31955
GeneID	11839;
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:0.056 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 AREG in samples. An antibody specific for AREG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyAREG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for AREG 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 AREG bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:The androgen receptor (AR) is more than 90 kb long and codes for a protein that has 3 major functional domains: the N-terminal domain, DNA-binding domain, and androgen-binding domain. The protein functions as a steroid-hormone activated transcription factor. Upon binding the hormone ligand, the receptor dissociates from accessory proteins, translocates into the nucleus, dimerizes, and then stimulates transcription of androgen responsive genes. This gene contains 2 polymorphic trinucleotide repeat segments that encode polyglutamine and polyglycine tracts in the N-terminal transactivation domain of its protein. Expansion of the polyglutamine tract causes spinal bulbar muscular atrophy (Kennedy disease). Mutations in this gene are also associated with complete androgen insensitivity (CAIS).

Note: This product is for in vitro research use only