Human HLA-B associated transcript 3 (BAT3) ELISA Kit

Catalog No: #EK12246

Package Size: #EK12246-1 48T #EK12246-2 96T

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Description

Product Name	Human HLA-B associated transcript 3 (BAT3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	DAQB-195H10.3; BAG-6; BAG6; D6S52E; G3; HLA-B associated transcript-3|large proline-rich protein BAT3|scythe HLA-B associated transcript 3 (BAT3)
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:Request Information

Sensitivity:Request Information

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 BAT3 in samples. An antibody specific for BAT3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyBAT3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BAT3 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 BAT3 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:BAT3 contains an N-terminal ubiquitin-like domain, and both BAT2 and BAT3 are rich in proline and include short tracts of polyproline, polyglycine, and charged amino acids.The presence of additional genes was suggested by a large cluster of CpG islands. With cosmid probes, 5 distinct transcripts, including BAT3, were detected in RNA samples from a variety of cell lines, and the corresponding cDNA clones were isolated.BAT3 formed a complex with p300 (EP300), and an increased amount of BAT3 enhanced recruitment of p53 to p300 and facilitated subsequent p53 acetylation. In contrast, Bat3-depleted cells showed reduced p53-p300 complex formation and decreased p53 acetylation. Thymocytes from Bat3-deficient mice exhibited reduced p53-mediated induction of Puma and p21 and were resistant to DNA damage-induced apoptosis in vivo.

Note: This product is for in vitro research use only