

Rat Beta-thromboglobulin (BTG) ELISA Kit

Catalog No: #EK11704



Package Size: #EK11704-1 48T #EK11704-2 96T

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Description

Product Name	Rat Beta-thromboglobulin (BTG) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	CXCL7; PPBP; PBP; B-TG1; CTAP-III; CTAP3; CTAPIII; LA-PF4; LDGF; MDGF; NAP2; SCYB7; TC1; TC2; TGB1; THBGB1; Pro-Platelet Basic Protein; Chemokine C-X-C-Motif Ligand 7 Chemokine (C-X-C motif) ligand 7 (CXCL7) is a platelet-derived growth factor that belongs to the CXC chemokine family. It is an isoform of Beta-Thromboglobulin or Pro-Platelet basic protein (PPBP).
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:3.12-200 pg/mL

Sensitivity:1.45 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 B-TG in samples. An antibody specific for B-TG has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyB-TG present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for B-TG 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 B-TG bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Chemokine (C-X-C motif) ligand 7 (CXCL11) is a platelet-derived growth factor that belongs to the CXC chemokine family. It is an isoform of Beta-Thromboglobulin or Pro-Platelet basic protein (PPBP).Beta-thromboglobulin (β-TG) has a molecular weight of 35000 daltons and is a specific protein of platelets. Composed of 4 identical subunits; It is synthesized in the cells as a biologically inactive 15 kDa precursor called PBP (platelet basic protein). It is stored in the Alpha-granules of platelets and released in large amounts after platelet activation.It is a protein that is released in large amounts from platelets following their activation. It stimulates various processes including mitogenesis, synthesis of extracellular matrix, glucose metabolism and synthesis of plasminogen activator.

Note: This product is for in vitro research use only