

Rat Beta-Thromboglobulin (bTG) ELISA Kit | bTG elisa kit

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CATALOG #
AAA65232

REACTIVITY
Rat

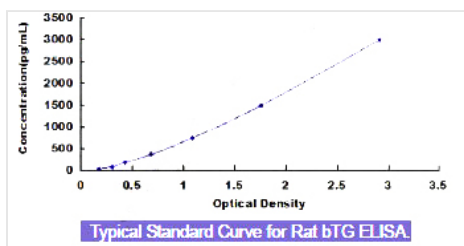
PRODUCT SYNONYMS

Beta-Thromboglobulin (bTG); Rat Beta-Thromboglobulin (bTG) ELISA Kit; 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; bTG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of bTG. No significant cross-reactivity or interference between bTG and analogues was observed.
Sequence Length	171
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	46.875-3000pg/mL
Sensitivity	16.38pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level bTG were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level bTG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for bTG elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of bTG in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to bTG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to bTG. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain bTG, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of bTG in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12025534
NCBI GeneID	29618
NCBI Accession #	NP_058954.1
NCBI GenBank Nucleotide #	NM_017258.1
UniProt Accession #	Q63073
Molecular Weight	19,195 Da
NCBI Official Full Name	protein BTG1
NCBI Official Synonym Full Names	BTG anti-proliferation factor 1
NCBI Official Symbol	Btg1
NCBI Protein Information	protein BTG1
UniProt Protein Name	Protein BTG1
UniProt Gene Name	Btg1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.