

Human actin, gamma 1 ELISA Kit | ACTG1 elisa kit

Human Actin, cytoplasmic 2, ACTG1 ELISA Kit

CATALOG #
AAA113030

REACTIVITY
Human

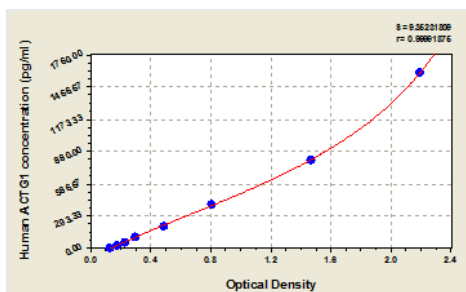
PRODUCT SYNONYMS

actin; gamma 1; Human Actin; cytoplasmic 2; ACTG1 ELISA Kit; cytoplasmic 2 (ACTG1) ELISA kit; ACT; ACTG; DFNA20; DFNA26; gamma 1 propeptide; cytoskeletal gamma-actin; ACTG1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human ACTG1. No significant cross-reactivity or interference between Human ACTG1 and analogues was observed.
Sequence Length	375
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	25 pg/ml-1600 pg/ml
Sensitivity	6.25 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTG1 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ACTG1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACTG1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACTG1 is added to the wells. After washing, avidin 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 ACTG1 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	316659409
NCBI GeneID	71
NCBI Accession #	NP_001186883.1
NCBI GenBank Nucleotide #	NM_001199954.1
UniProt Accession #	P63261; P02571; P14104; P99022; Q5U032; Q96E67; A8K7C2
Molecular Weight	41,793 Da
NCBI Official Full Name	actin, cytoplasmic 2
NCBI Official Synonym Full Names	actin, gamma 1
NCBI Official Symbol	ACTG1
NCBI Official Synonym Symbols	ACT; ACTG; BRWS2; DFNA20; DFNA26; HEL-176
NCBI Protein Information	actin, cytoplasmic 2; cytoskeletal gamma-actin; epididymis luminal protein 176
UniProt Protein Name	Actin, cytoplasmic 2
UniProt Gene Name	ACTG1
UniProt Synonym Gene Names	ACTB; ACTG
UniProt Entry Name	ACTG_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/actg1-human-elisa-kits/actin-gamma-1/113030>