

Mouse Actin, gamma-enteric smooth muscle (ACTG2) ELISA Kit | ACTG2 elisa kit

Mouse Actin, gamma-enteric smooth muscle (ACTG2) ELISA Kit

CATALOG # AAA245280	REACTIVITY Mouse
-------------------------------	----------------------------

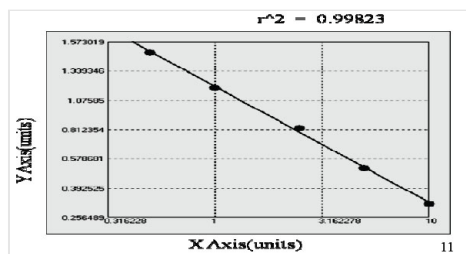
PRODUCT SYNONYMS

Actin; gamma-enteric smooth muscle (ACTG2); Mouse Actin; gamma-enteric smooth muscle (ACTG2) ELISA Kit; ACTG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	100-2500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This ACTG2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ACTG2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTG2 elisa kit	Principle of the assay: ACTG2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ACTG2 antibody and an ACTG2-HRP conjugate. The assay sample and buffer are incubated together with ACTG2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ACTG2 concentration since ACTG2 from samples and ACTG2-HRP conjugate compete for the anti-ACTG2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTG2 from the sample, fewer sites are left to bind ACTG2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTG2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ACTG2 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501889
NCBI GeneID	72
NCBI Accession #	NP_001606.1
NCBI GenBank Nucleotide #	NM_001615.3
Molecular Weight	37,083 Da
NCBI Official Full Name	actin, gamma-enteric smooth muscle isoform 1
NCBI Official Synonym Full Names	actin, gamma 2, smooth muscle, enteric
NCBI Official Symbol	ACTG2
NCBI Official Synonym Symbols	ACT; ACTE; VSCM; ACTA3; ACTL3; ACTSG
NCBI Protein Information	actin, gamma-enteric smooth muscle; alpha-actin-3; actin-like protein
UniProt Protein Name	Actin, gamma-enteric smooth muscle
UniProt Gene Name	ACTG2
UniProt Synonym Gene Names	ACTA3; ACTL3; ACTSG
UniProt Entry Name	ACTH_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/actin-gamma-enteric-smooth-muscle-actg2/245280>