

Human Actin, gamma-Enteric Smooth Muscle (ACTG2) ELISA Kit | ACTG2 elisa kit

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CATALOG #
AAA331085

REACTIVITY
Human

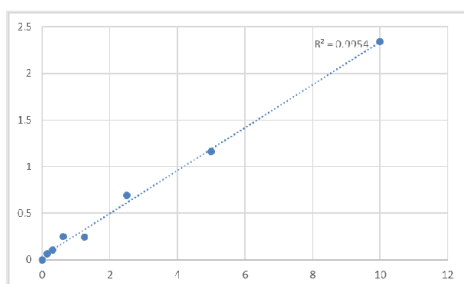
PRODUCT SYNONYMS

Actin; gamma-Enteric Smooth Muscle (ACTG2); Human Actin; gamma-Enteric Smooth Muscle (ACTG2) ELISA Kit; ACTG2; ACT; ACTA3; ACTE; ACTL3; ACTSG; OTTHUMP00000202509; actin; gamma 2; actin-like protein; alpha-actin 3; smooth muscle gamma actin; ACTG2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Actin, gamma-enteric smooth muscle (ACTG2) ELISA Kit has high sensitivity and excellent specificity for detection of Human ACTG2. No significant cross-reactivity or interference between Human ACTG2 and analogues was observed.
Sequence Length	333
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Actin, gamma-enteric smooth muscle (ACTG2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ACTG2 elisa kit	Description: This Human Actin, gamma-enteric smooth muscle (ACTG2) ELISA Kit employs a two-site sandwich ELISA to quantitate ACTG2 in samples. An antibody specific for ACTG2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ACTG2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ACTG2 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 ACTG2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Actin, gamma-enteric smooth muscle is a protein encoded by the ACTG2 gene. Actins are highly conserved proteins that are involved in various types of cell motility, and maintenance of the cytoskeleton. In vertebrates, three main groups of actin isoforms, alpha, beta and gamma have been identified. The alpha actins are found in muscle tissues and are a major constituent of the contractile apparatus. The beta and gamma actins co-exist in most cell types as components of the cytoskeleton, and as mediators of internal cell motility. Actin, gamma 2, encoded by this gene, is a smooth muscle actin found in enteric tissues.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	315570273
NCBI GeneID	72
NCBI Accession #	NP_001186822.1
NCBI GenBank Nucleotide #	NP_001186822.1
UniProt Accession #	P63267
NCBI Official Full Name	actin, gamma-enteric smooth muscle isoform 2
NCBI Official Synonym Full Names	actin gamma 2, smooth muscle
NCBI Official Symbol	ACTG2
NCBI Official Synonym Symbols	ACT; ACTE; VSCM; ACTA3; ACTL3; ACTSG
NCBI Protein Information	actin, gamma-enteric smooth muscle
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.