

Human Cofilin 2, Muscle ELISA Kit | CFL2 elisa kit

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CATALOG #
AAA16372

REACTIVITY
Human

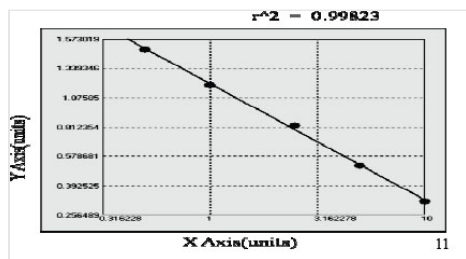
PRODUCT SYNONYMS

Cofilin 2; Muscle; Human Cofilin 2; Muscle ELISA Kit; CFL2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CFL2 elisa kit

Intended Uses: This CFL-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CFL-2. This ELISA kit for research use only!

Principle of the Assay: CFL-2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CFL-2 antibody and an CFL-2-HRP conjugate. The assay sample and buffer are incubated together with CFL-2-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 CFL-2 concentration since CFL-2 from samples and CFL-2-HRP conjugate compete for the anti-CFL-2 antibody binding site. Since the number of sites is limited, as more sites are occupied by CFL-2 from the sample, fewer sites are left to bind CFL-2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CFL-2 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #

33946278

NCBI GeneID	1073
NCBI Accession #	NP_619579.1
NCBI GenBank Nucleotide #	NM_138638.4
Molecular Weight	– Da
NCBI Official Full Name	cofilin-2 isoform 1
NCBI Official Synonym Full Names	cofilin 2 (muscle)
NCBI Official Symbol	CFL2
NCBI Official Synonym Symbols	NEM7
NCBI Protein Information	cofilin-2; cofilin, muscle isoform; nemaline myopathy type 7
UniProt Protein Name	Cofilin-2
UniProt Gene Name	CFL2
UniProt Entry Name	COF2_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/cfl2-human-elisa-kits/cofilin-2-muscle/16372>