

Goat Leukotriene C4 ELISA Kit | LTC4 elisa kit

Goat Leukotriene C4 ELISA Kit

CATALOG #
AAA90833

REACTIVITY
Goat

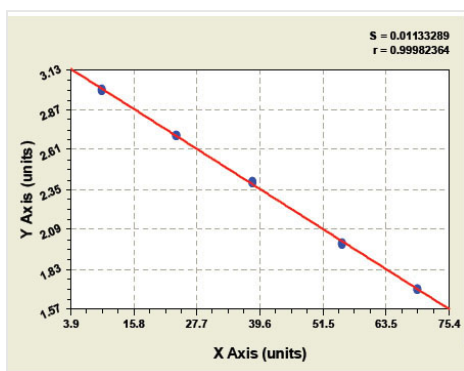
PRODUCT SYNONYMS

Leukotriene C4; Goat Leukotriene C4 ELISA Kit; LTC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This LTC4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat LTC4. 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 LTC4 elisa kit

Principle of the Assay: LTC4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-LTC4 antibody and an LTC4-HRP conjugate. The assay sample and buffer are incubated together with LTC4-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 LTC4 concentration since LTC4 from samples and LTC4-HRP conjugate compete for the anti-LTC4 antibody binding site. Since the number of sites is limited, as more sites are occupied by LTC4 from the sample, fewer sites are left to bind LTC4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The LTC4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for LTC4 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	22035629
NCBI GeneID	4056
NCBI Accession #	NP_665874.1
NCBI GenBank Nucleotide #	NM_145867.1
UniProt Accession #	Q16873; Q8N6P0; Q9UC73; Q9UD18
Molecular Weight	16,567 Da
NCBI Official Full Name	leukotriene C4 synthase
NCBI Official Synonym Full Names	leukotriene C4 synthase
NCBI Official Symbol	LTC4S
NCBI Protein Information	leukotriene C4 synthase; LTC4 synthase
UniProt Protein Name	Leukotriene C4 synthase
UniProt Gene Name	LTC4S
UniProt Synonym Gene Names	LTC4 synthase
UniProt Entry Name	LTC4S_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/ltc4-goat-elisa-kits/leukotriene-c4/90833>