

Human Annexin A2 ELISA Kit | ANXA2 elisa kit

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CATALOG #
AAA16625

REACTIVITY
Human

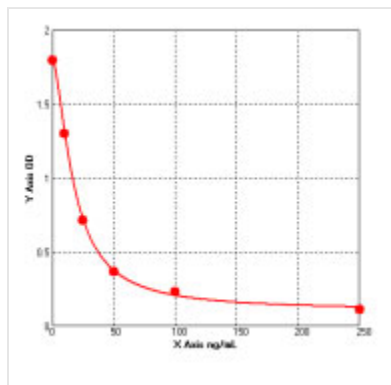
PRODUCT SYNONYMS

Annexin A2; Human Annexin A2 ELISA Kit; ANXA2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ANXA2. No significant cross-reactivity or interference between ANXA2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ANXA2 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANXA2 elisa kit	Principle of the Assay: ANXA2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ANXA2 antibody and an ANXA2-HRP conjugate. The assay sample and buffer are incubated together with ANXA2-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 ANXA2 concentration since ANXA2 from samples and ANXA2-HRP conjugate compete for the anti-ANXA2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANXA2 from the sample, fewer sites are left to bind ANXA2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANXA2 concentration in each sample is interpolated from this standard curve. Intended Uses: This ANXA2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ANXA2. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for ANXA2 elisa kit	Cell Biology
References	Serum annexin A2 levels in patients with colon cancer in comparison to healthy controls and in relation to tumor pathology . Ercument Gurluler, Osman Serhat Guner, Latif Volkan Tumay, Nurten Turkel Kucukmetin, Banu Hizli, and Abdullah Zorluoglu (2014)

NCBI AND UNIPROT INFORMATION

NCBI GI #	209862831
NCBI GeneID	302
NCBI Accession #	NP_001129487.1
NCBI GenBank Nucleotide #	NM_001136015.2
Molecular Weight	40,411 Da
NCBI Official Full Name	annexin A2 isoform 2
NCBI Official Synonym Full Names	annexin A2
NCBI Official Symbol	ANXA2
NCBI Official Synonym Symbols	P36; ANX2; LIP2; LPC2; CAL1H; LPC2D; ANX2L4; PAP-IV; HEL-S-270
NCBI Protein Information	annexin A2; annexin-2; protein I; annexin II; lipocortin II; chromobindin 8; chromobindin-8; calpactin I heavy chain; calpactin-1 heavy chain; calpactin I heavy polypeptide; placental anticoagulant protein IV; epididymis secretory protein Li 270
UniProt Protein Name	Annexin A2
UniProt Gene Name	ANXA2
UniProt Synonym Gene Names	ANX2; ANX2L4; CAL1H; LPC2D; PAP-IV
UniProt Entry Name	ANXA2_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.