

## ARG82384 Human Annexin A1 ELISA Kit

Package: 96 wells  
Store at: 4°C

### Component

Cat. No.	Component Name	Package	Temp
ARG82384-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82384-002	Standard	2 X 10 ng/vial	4°C
ARG82384-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82384-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82384-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82384-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82384-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82384-008	25X Wash buffer	20 ml	4°C
ARG82384-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82384-010	STOP solution	10 ml (Ready to use)	4°C
ARG82384-011	Plate sealer	4 strips	Room temperature

### Summary

Product Description	ARG82384 Human Annexin A1 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Annexin A1 in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Annexin A1
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	100 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.6% Inter-Assay CV: 6.6%

Alternate Names	ANX1; Calpactin II; Phospholipase A2 inhibitory protein; Chromobindin-9; LPC1; Annexin-1; Annexin A1; Lipocortin I; Annexin I; p35; Calpactin-2
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## Application Instructions

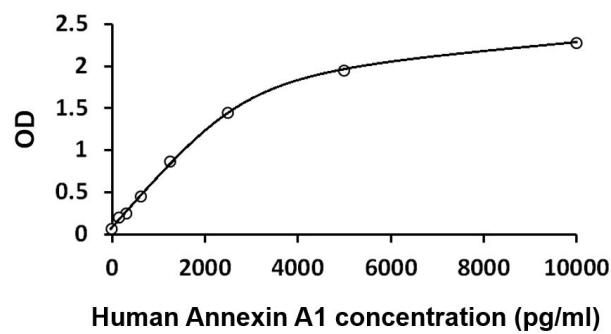
Assay Time	~ 5 hours
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## Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Gene Symbol	ANXA1
Gene Full Name	annexin A1
Background	This gene encodes a membrane-localized protein that binds phospholipids. This protein inhibits phospholipase A2 and has anti-inflammatory activity. Loss of function or expression of this gene has been detected in multiple tumors. [provided by RefSeq, Dec 2014]
Function	Calcium/phospholipid-binding protein which promotes membrane fusion and is involved in exocytosis. This protein regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity. [UniProt]
Highlight	Related products: <a href="#">Annexin antibodies</a> ; <a href="#">Annexin ELISA Kits</a> ; New ELISA data calculation tool: <a href="#">Simplify the ELISA analysis by GainData</a>
PTM	Phosphorylated by protein kinase C, EGFR and TRPM7 (PubMed:2457390, PubMed:15485879). Phosphorylated in response to EGF treatment (PubMed:2532504).  Sumoylated. [UniProt]
Cellular Localization	Nucleus. Cytoplasm. Cell projection, cilium. Cell membrane. Membrane; Peripheral membrane protein. Endosome membrane; Peripheral membrane protein. Basolateral cell membrane. Apical cell membrane. Lateral cell membrane. Secreted, extracellular space. Cell membrane; Peripheral membrane protein; Extracellular side. Secreted, exosome. Cytoplasmic vesicle, secretory vesicle lumen. Cell projection, phagocytic cup. Early endosome. Cytoplasmic vesicle membrane; Peripheral membrane protein. [UniProt]



ARG82384 Human Annexin A1 ELISA Kit standard curve image

ARG82384 Human Annexin A1 ELISA Kit results of a typical standard run with optical density reading at 450 nm.