

## Human ANXA1 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0193	<b>Applications</b>	ELISA
<b>Synonyms</b>	lipocortin I,ANX1,LPC1,Annexin I,Annexin-1,Calpactin II,Calpactin-2,Chromobindin-9,Lipocortin I,Phospholipase A2 inhibitory protein,p35		

### Kit components & Storage

Title	Specifications	Storage
Human ANXA1 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze / thaw cycles.
Human ANXA1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20℃ for one year. Avoid freeze / thaw cycles.

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

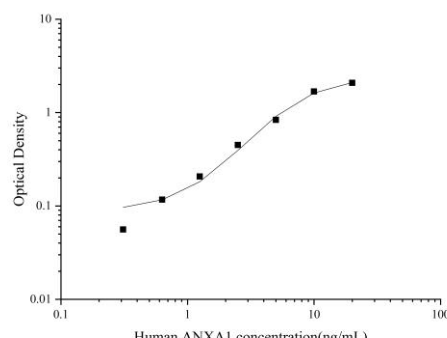
### Product Information

Items		Characteristic (E-KAB-0193)	
		Human ANXA1 Capture Antibody	Human ANXA1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human ANXA1 protein	Recombinant Human ANXA1 protein
	Swissprot	P04083	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human ANXA1 in ELISAs.	

### For Research Use Only

## Applications

### Human ANXA1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Human ANXA1 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human ANXA1 concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.05</td></tr><tr><td>0.5</td><td>0.1</td></tr><tr><td>1</td><td>0.2</td></tr><tr><td>2</td><td>0.4</td></tr><tr><td>5</td><td>0.8</td></tr><tr><td>10</td><td>1.5</td></tr><tr><td>20</td><td>2.0</td></tr></tbody></table>	Human ANXA1 concentration (ng/mL)	Optical Density	0.1	0.05	0.5	0.1	1	0.2	2	0.4	5	0.8	10	1.5	20	2.0
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ELISA Detection	1:1000-1:10000	Human ANXA1 Detection Antibody (Biotin)																	

**Note:** This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

## Background

ANXA1, also named as ANX1, LPC1 and p35, belongs to the annexin family. It is a member of the annexin family of  $Ca^{2+}$ -binding and phospholipid-binding proteins, and it is particularly abundant in various populations of peripheral blood leukocytes. ANXA1 regulates phospholipase A2 activity. It seems to bind from two to four calcium ions with high affinity. ANXA1 is a pleiotrophic protein produced by many cell types including peripheral blood leukocytes.

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