

Human Annexin A2 antibody (ANXA2-Ab) ELISA Kit

Catalog No: #EK11776



Package Size: #EK11776-1 48T #EK11776-2 96T

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Description

Product Name	Human Annexin A2 antibody (ANXA2-Ab) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	ANXA2/ANX2/ANX2L4/CAL1H/LPC2D-Ab
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.061 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Competitive ELISA
Test principle:This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to ANXA2-Ab. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated ANXA2-Ab and incubated. The competitive inhibition reaction is launched between with HRP labeled ANXA2-Ab and unlabeled ANXA2-Ab with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of ANXA2-Ab in the sample. The color development is stopped and the intensity of the color is measured.
Product Overview:Annexin 2 is involved in diverse cellular processes such as cell motility (especially that of the epithelial cells), linkage of membrane-associated protein complexes to the actin cytoskeleton, endocytosis, fibrinolysis, ion channel formation, and cell matrix interactions. It is a calcium-dependent phospholipid-binding protein whose function is to help organize exocytosis of intracellular proteins to the extracellular domain. Annexin II is a pleiotropic protein meaning that its function is dependent on place and time in the body. This protein is a member of the annexin family. Members of this calcium-dependent phospholipid-binding protein family play a role in the regulation of cellular growth and in signal transduction pathways. This protein functions as an autocrine factor which heightens osteoclast formation and bone resorption.

Note: This product is for in vitro research use only