

Pig Angiopoietin 2 (ANG-2) ELISA Kit

Catalog No: #EK11682



Package Size: #EK11682-1 48T #EK11682-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Pig Angiopoietin 2 (ANG-2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Pig (Sus scrofa; Porcine)
Other Names	AGPT2; ANG2; Tie2-ligand angiopoietin-2 angiopoietin-2B angiopoietin-2a
Accession No.	Q9BDY7
Uniprot	Q9BDY7
GeneID	396730;
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:1.56-100 ng/mL

Sensitivity:0.54 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:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ANGPT2 in samples. An antibody specific for ANGPT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyANGPT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ANGPT2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ANGPT2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Angiopoietin-2 (Ang-2) is a secreted glycoprotein that plays a complex role in vascular development. Ang-2 contains an N-terminal coiled-coildomain, 58 - 254 amino acids (aa) and a C-terminal fibrinogen-like domain, 281 - 467 aa, that is also found in other proteins including fibrinogen, tenascin, and ficolin. Located at the N-terminus are stretches of hydrophobic residues typical of secretory signal sequences. While Ang-2 is widely expressed in the mouse embryo, it is restricted postnatally to pro-angiogenic regions including the placenta, ovaries, and uterus. Ang-2 has been implicated in cancer development due to its role in angiogenesis.Ang-2-mediated destabilization of mature vessel structures accompanied by the presence of VEGF, may contribute to the angiogenesis associated with tumor tissues.

Note: This product is for in vitro research use only