

Human Angiopoietin-2 ELISA Kit | ANGPT2 elisa kit

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CATALOG # AAA105664	REACTIVITY Human	APPLICATIONS ELISA
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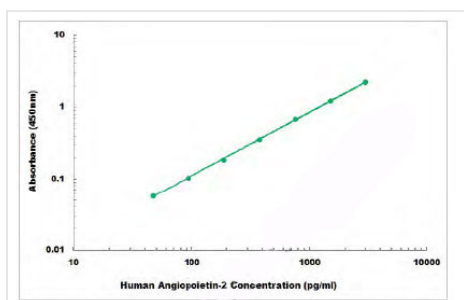
PRODUCT SYNONYMS

Angiopoietin-2; Human Angiopoietin-2 ELISA Kit; ANG-2; ANGPT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Rat TGF beta 1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat TGF beta 1 proteins within the range of 62.5 pg/ml-4000 pg/ml.
Sequence Length	495
Samples	Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates
Sensitivity	30 pg/ml.
Applicable Applications for ANGPT2 elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANGPT2 elisa kit	Principle of the Assay: MBS Rat TGF beta 1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat TGF beta 1 in Cell Culture Supernatants, Serum, Plasma, Tissue Homogenates. This assay employs an antibody specific for Rat TGF beta 1 coated on a 96-well plate. Standards and samples are pipetted into the wells and TGF beta 1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat TGF beta 1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of TGF beta 1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm!!Background/Introduction: Transforming growth factor-beta 1 (TGF-beta 1) is a multifunctional peptide that controls proliferation, differentiation, and other functions in many cell types. Many cells synthesize TGF-beta and essentially all of them have specific receptors for this peptide. TGF-beta regulates the actions of many other peptide growth factors and determines a positive or negative direction of their effects. TGF beta 1 is known for its potent and diverse biological effects, including immune regulation, and cell growth and differentiation. TGF beta 1 is also an important mediator of bone remodeling. TGF beta 1, a potent keratinocyte growth inhibitor, has been shown to be overexpressed in keratinocytes in certain inflammatory skin diseases and has been thought to counteract the effects of other growth factors at the site of inflammation. TGF-beta 1, a multifunctional cytokine with fibrogenic properties, has been implicated in the pathogenesis of the vascular and target organ complications of hypertension. TGF-beta 1 may also regulate blood pressure via stimulation of endothelin-1 and/or renin secretion. TGF beta 1 is secreted as a latent form, which consists of its mature form and a latency-associated peptide (beta 1-LAP) in either the presence or the absence of additional latent TGF-beta 1-binding protein.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	169646749
NCBI GeneID	285
NCBI Accession #	NP_001112359.1
NCBI GenBank Nucleotide #	NM_001118887.1
UniProt Accession #	O15123; Q9NRR7; Q9P2Y7; A0AV38; A8K205; B7ZLM7
Molecular Weight	56,848 Da
NCBI Official Full Name	angiopoietin-2 isoform b
NCBI Official Synonym Full Names	angiopoietin 2
NCBI Official Symbol	ANGPT2
NCBI Official Synonym Symbols	ANG2; AGPT2
NCBI Protein Information	angiopoietin-2; ANG-2; Tie2-ligand; angiopoietin-2B; angiopoietin-2a
UniProt Protein Name	Angiopoietin-2
UniProt Gene Name	ANGPT2
UniProt Synonym Gene Names	ANG-2
UniProt Entry Name	ANGP2_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.