

Monkey Secreted frizzled-related protein 1 (SFRP1) ELISA Kit

Catalog No: #EK11944

Package Size: #EK11944-1 48T #EK11944-2 96T

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Description

Product Name	Monkey Secreted frizzled-related protein 1 (SFRP1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Monkey (Simian)
Other Names	FRP; FRP-1; FRP1; FrzA; SARP2; secreted apoptosis-related protein 2 developmental protein
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:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 μ L

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 SFRP1 in samples. An antibody specific for SFRP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySFRP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SFRP1 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 SFRP1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Secreted frizzled-related protein 1 (SFRP1) is a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. SFRP1 and SFRP5 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP1 is expressed in several human tissues, with the highest levels in heart.SFRP1 is a 35 kDa prototypical member of the SFRP family. It acts as a biphasic modulator of Wnt signaling, counteracting Wnt-induced effects at high concentrations and promoting them at lower concentrations. It is located in a chromosomal region (8p12-p11.1) that is frequently deleted in breast cancer and is thought to harbour a tumor suppressor gene.

Note: This product is for in vitro research use only