

Mouse Secreted frizzled-related protein 5 (SFRP5) ELISA Kit



Catalog No: #EK7356

Orders: order@signalwayantibody.com

Package Size: #EK7356-1 48T #EK7356-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Secreted frizzled-related protein 5 (SFRP5) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	SARP3; secreted apoptosis related protein 3
Accession No.	Q9WU66
Uniprot	Q9WU66
GeneID	54612;
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:0.250-16 ng/mL

Sensitivity:0.11 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 SFRP5 in samples. An antibody specific for SFRP5 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySFRP5 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SFRP5 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 SFRP5 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**SFRP5 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. SFRP5 and SFRP1 may be involved in determining the polarity of photoreceptor cells in the retina. SFRP5 is highly expressed in the retinal pigment epithelium, and moderately expressed in the pancreas. Soluble frizzled-related proteins (sFRPS) function as modulators of Wnt signaling through direct interaction with Wnts. They have a role in regulating cell growth and differentiation in specific cell types. SFRP5 may be involved in determining the polarity of photoreceptor, and perhaps, other cells in the retina.Highly expressed in the retinal pigment epithelium (RPE) and pancreas. Weak expression in heart, liver and muscle.

Note: This product is for in vitro research use only