

Bovine Flotillin-2 (FLOT2) ELISA Kit

Catalog No: #EK11598



Package Size: #EK11598-1 48T #EK11598-2 96T

Orders: order@signalwayantibody.com

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Description

Product Name	Bovine Flotillin-2 (FLOT2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	ECS-1; ECS1; ESA; ESA1; M17S1; Flotillin 2 (epidermal surface antigen 1) membrane component; chromosome 17; surface marker 1 (35kD protein identified by monoclonal antibody ECS-1)
Accession No.	A6QLR4
Uniprot	A6QLR4
GenID	615679;
Storage	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. 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).

Application Details

Detect Range:0.31-20 ng/mL

Sensitivity:0.156 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 FLOT2 in samples. An antibody specific for FLOT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyFLOT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FLOT2 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 FLOT2 bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:Caveolae are small domains on the inner cell membrane involved in vesicular trafficking and signal transduction. Flotillin-2 is a caveolae-associated, integral membrane protein, which is thought to function in neuronal signaling. Human epidermal surface antigen-1 was identified as a 35-kD antigen by means of a mouse monoclonal antibody raised against human keratinocytes. The monoclonal antibody was found to cause keratinocyte dissociation in vitro; hence, the conclusion that the native protein is involved in cell adhesion. The mouse and human 5-prime- and 3-prime untranslated sequences are conserved. Similar RNA folding patterns of the 5-prime untranslated region are predicted despite a 91-bp insertion in the mouse.

Note: This product is for in vitro research use only