

Sheep Integrin beta-2 (ITGB2) ELISA Kit

Catalog No: #EK11544



Package Size: #EK11544-1 48T #EK11544-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Sheep Integrin beta-2 (ITGB2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Sheep (Ovis aries)
Other Names	CD18; LAD; LCAMB; LFA-1; MAC-1; MF17; MFI7; OTTHUMP00000115279 OTTHUMP00000115281 OTTHUMP00000115282 cell surface adhesion glycoprotein LFA-1/CR3/P150;959 beta subunit precursor) complement receptor
Accession No.	Q6ECI6
Uniprot	Q6ECI6
GeneID	494433;
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:0.78-50 ng/mL

Sensitivity:0.32 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 ITGB2 in samples. An antibody specific for ITGB2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyITGB2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ITGB2 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 ITGB2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The ITGB2 is a protein belongs to the integrin beta chain family of proteins. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. This gene encodes the integrin beta chain beta 2. A given chain may combine with multiple partners resulting in different integrins. For example, beta 2 combines with the alpha L chain to form the integrin LFA-1, and combines with the alpha M chain to form the integrin Mac-1.

Integrins are known to participate in cell adhesion as well as cell-surface mediated signalling. Defects in this gene are the cause of leukocyte adhesion deficiency type I (LAD1). Two transcript variants encoding the same protein have been identified for this gene.

Note: This product is for in vitro research use only