

Bovine Toll-interacting protein (TOLLIP) ELISA Kit

Catalog No: #EK6081



Package Size: #EK6081-1 48T #EK6081-2 96T

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Description

Product Name	Bovine Toll-interacting protein (TOLLIP) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Bovine (Bos taurus; Cattle)
Other Names	FLJ33531; IL-1RAcPIP; Toll-interacting protein adapter protein
Accession No.	Q2LGB5
Uniprot	Q2LGB5
GeneID	539480;
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 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 TOLLIP in samples. An antibody specific for TOLLIP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyTOLLIP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TOLLIP 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 TOLLIP bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Toll interacting protein, also known as TOLLIP, is an inhibitory adaptor protein .It is an inhibitory adaptor protein within Toll-like receptors (TLR). The TLR pathway is a part of the innate immune system that recognizes structurally conserved molecular patterns of microbial pathogens, leading to an inflammatory immune response.

Compared with the full-length isoform, 2 of the human proteins lack the N-terminal TBD, and 1 lacks the C2 domain. A mouse-specific isoform lacks the C-terminal CUE domain. EST database analysis suggested that full-length human TOLLIP is ubiquitously expressed. Expression of the other human variants appeared to be more restricted, with evidence for enrichment in brain.

Note: This product is for in vitro research use only