

Rat UL16 Binding protein 4 ELISA Kit | ULBP4 elisa kit

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CATALOG #
AAA94836

REACTIVITY
Rat

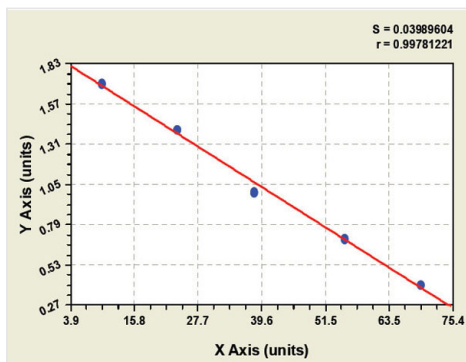
PRODUCT SYNONYMS

UL16 Binding protein 4; Rat UL16 Binding protein 4 ELISA Kit; ULBP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ULBP4 elisa kit

Intended Uses: This ULBP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ULBP4. This ELISA kit for research use only!

Principle of the Assay: ULBP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ULBP4 antibody and an ULBP4-HRP conjugate. The assay sample and buffer are incubated together with ULBP4-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ULBP4 concentration since ULBP4 from samples and ULBP4-HRP conjugate compete for the anti-ULBP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by ULBP4 from the sample, fewer sites are left to bind ULBP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ULBP4 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31322668
NCBI GeneID	135250
Molecular Weight	23,978 Da
NCBI Official Full Name	ULBP4
NCBI Official Synonym Full Names	retinoic acid early transcript 1E
NCBI Official Symbol	RAET1E
NCBI Official Synonym Symbols	RL-4; LETAL; ULBP4; N2DL-4; NKG2DL4; RAET1E2; bA350J20.7
NCBI Protein Information	NKG2D ligand 4; RAE-1-like transcript 4; lymphocyte effector toxicity activation ligand
UniProt Protein Name	NKG2D ligand 4
UniProt Gene Name	RAET1E
UniProt Synonym Gene Names	LETAL; N2DL4; ULBP4; UNQ1867/PRO4303; N2DL-4; NKG2DL4; RL-4
UniProt Entry Name	N2DL4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.