

Canine UL16 Binding protein 1 ELISA Kit | ULBP1 elisa kit

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CATALOG #
AAA97141

REACTIVITY
Canine

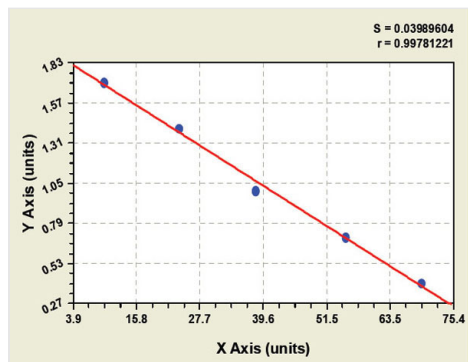
PRODUCT SYNONYMS

UL16 Binding protein 1; Canine UL16 Binding protein 1 ELISA Kit; ULBP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ULBP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ULBP1. This ELISA kit for research use only, not for therapeutic applications
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ULBP1 elisa kit

Principle of the Assay: ULBP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ULBP1 antibody and an ULBP1-HRP conjugate. The assay sample and buffer are incubated together with ULBP1-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 ULBP1 concentration since ULBP1 from samples and ULBP1-HRP conjugate compete for the anti-ULBP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ULBP1 from the sample, fewer sites are left to bind ULBP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ULBP1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119568161
NCBI GeneID	80329
Molecular Weight	27,997 Da
NCBI Official Full Name	UL16 binding protein 1
NCBI Official Synonym Full Names	UL16 binding protein 1
NCBI Official Symbol	ULBP1
NCBI Official Synonym Symbols	RAET1I
NCBI Protein Information	NKG2D ligand 1; N2DL-1; NKG2DL1; alcan-beta; UL16-binding protein 1; retinoic acid early transcript 1I
UniProt Protein Name	NKG2D ligand 1
UniProt Gene Name	ULBP1
UniProt Synonym Gene Names	N2DL1; RAET1I; N2DL-1; NKG2DL1
UniProt Entry Name	N2DL1_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.