

Human ULBP2 ELISA Kit | ULBP2 elisa kit

Human ULBP2 PicoKine ELISA Kit

CATALOG #
AAA46810

REACTIVITY
Human

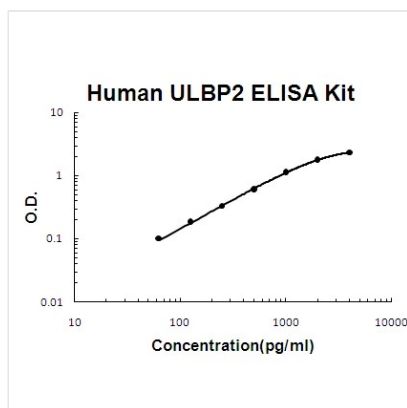
PRODUCT SYNONYMS

ULBP2; Human ULBP2 PicoKine ELISA Kit; ALCAN alpha; ALCAN-alpha; N2DL2; N2DL-2; N2DL 2; NKG2DL2; RAET1H; Q9BZM5; NKG2D ligand 2; UL16 binding protein 2; ULBP2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human ULBP2
Sequence Length	246
Samples	Cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA)
Assay Type	Quantitative Sandwich
Detection Range	62.5pg/ml-4000pg/ml
Sensitivity	<12pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

Human ULBP2 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for ULBP2 elisa kit	Principle of the Assay: The Human ULBP2 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for ULBP2 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: G26-S216) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for ULBP2 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human ULBP2 amount of sample captured in plate. Background: UL16 binding protein 2 (ULBP2) is a cell surface glycoprotein encoded by ULBP2 gene located on the chromosome 6. This gene encodes a major histocompatibility complex (MHC) class I-related molecule that binds to the NKG2D receptor on natural killer (NK) cells to trigger release of multiple cytokines and chemokines that in turn contribute to the recruitment and activation of NK cells. The encoded protein undergoes further processing to generate the mature protein that is either anchored to membrane via a glycosylphosphatidylinositol moiety, or secreted. Many malignant cells secrete the encoded protein to evade immunosurveillance by NK cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13376824
NCBI GeneID	80328
NCBI Accession #	NP_079493.1
NCBI GenBank Nucleotide #	NM_025217.3
UniProt Accession #	Q9BZM5; Q5VUN4
Molecular Weight	27,368 Da
NCBI Official Full Name	NKG2D ligand 2 preproprotein
NCBI Official Synonym Full Names	UL16 binding protein 2
NCBI Official Symbol	ULBP2
NCBI Official Synonym Symbols	N2DL2; RAET1H; NKG2DL2; ALCAN-alpha
NCBI Protein Information	NKG2D ligand 2
UniProt Protein Name	NKG2D ligand 2
UniProt Gene Name	ULBP2
UniProt Synonym Gene Names	N2DL2; RAET1H; N2DL-2; NKG2DL2

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.