

Human Diablo/SMAC ELISA Kit | DIABLO elisa kit

Human Diablo/SMAC PicoKine ELISA Kit

CATALOG #
AAA45765

REACTIVITY
Human

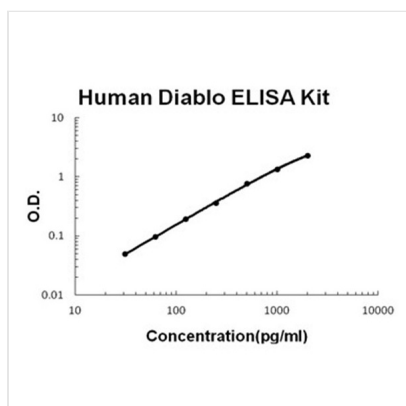
PRODUCT SYNONYMS

Diablo/SMAC; Human Diablo/SMAC PicoKine ELISA Kit; Diablo homolog; mitochondrial; diablo; IAP-binding mitochondrial protein; DFNA64; DIABLO; diablo homolog; DIABLO-S; direct IAP-binding protein with low pI; mitochondrial Smac protein; second mitochondria-derived activator of caspase; SMAC3; DIABLO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human Diablo
Sequence Length	239
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	31.2pg/ml-2000pg/ml
Sensitivity	< 10pg/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 (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human Diablo/SMAC PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DIABLO elisa kit	Principle of the assay: human Diablo ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Diablo has been precoated onto 96-well plates. Standards(E.coli, A56-D239) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Diablo 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 Diablo amount of sample captured in plate. Background: Diablo homolog, mitochondrial, also known as second mitochondria-derived activator of caspases (SMAC), is a protein that in humans is encoded by the DIABLO gene (direct IAP binding protein with low pI). It is mapped to 12q24.31. DIABLO can bind mammalian IAP homolog A (MIHA, or API3) and can also interact with MIHB, MIHC, and OpiAP, the baculoviral IAP. This gene encodes an inhibitor of apoptosis protein (IAP)-binding protein. The encoded mitochondrial protein enters the cytosol when cells undergo apoptosis, and allows activation of caspases by binding to inhibitor of apoptosis proteins. Over expression of the encoded protein sensitizes tumor cells to apoptosis. A mutation in this gene is associated with young-adult onset of nonsyndromic deafness-64.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	18203316
NCBI GeneID	56616
UniProt Accession #	Q9NR28; Q6W3F3; Q96LV0; Q9BT11; Q9HAV6; B2RDQ0
Molecular Weight	22,284 Da
NCBI Official Full Name	Diablo homolog, mitochondrial
NCBI Official Synonym Full Names	diablo, IAP-binding mitochondrial protein
NCBI Official Symbol	DIABLO
NCBI Official Synonym Symbols	SMAC; DFNA64
NCBI Protein Information	diablo homolog, mitochondrial; direct IAP-binding protein with low pI; second mitochondria-derived activator of caspase
UniProt Protein Name	Diablo homolog, mitochondrial
UniProt Gene Name	DIABLO
UniProt Synonym Gene Names	SMAC; Smac
UniProt Entry Name	DBLOH_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.