

Human EDIL3 ELISA Kit | EDIL3 elisa kit

Human EDIL3 PicoKine ELISA Kit

CATALOG #
AAA46679

REACTIVITY
Human

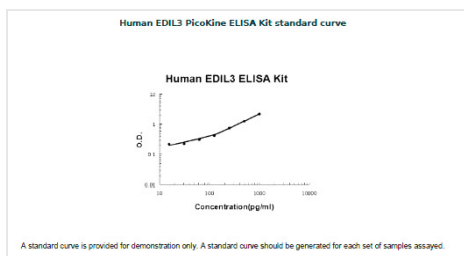
PRODUCT SYNONYMS

EDIL3; Human EDIL3 PicoKine ELISA Kit; DEL1; Developmental endothelial locus 1; Edil3; Integrin binding protein DEL1; Integrin-binding protein DEL1; O43854; EGF-like repeat and discoidin I-like domain-containing protein 3; EGF like repeats and discoidin domains 3; EDIL3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human EDIL3
Sequence Length	470
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	15.6pg/ml-1000pg/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 across 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)

ADDITIONAL INFORMATION

Related Product Information for EDIL3 elisa kit	Principle of the Assay: The Picokine™ Human EDIL3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human EDIL3 with a 96-well strip plate that is pre-coated with antibody specific for EDIL3. The detection antibody is a biotinylated antibody specific for EDIL3. The kit contains recombinant Human EDIL3 with immunogen: Expression system for standard: NSO; Immunogen sequence: D24-E480. The kit is analytically validated with ready to use reagents. To measure Human EDIL3, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human EDIL3 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human EDIL3 in the sample. Background/Introduction: EDIL3, also known as DEL1, is a glycoprotein that is secreted by endothelial cells and can associate with the endothelial cell surface and the extracellular matrix. It is regulated by hypoxia or vascular injury and has been implicated in vascular remodeling during angiogenesis. The EDIL3 gene is mapped to 5q14. Human endothelial cells bind to Del1 together with the alpha-V (ITGAV)/beta-3 (ITGB3) integrin receptor. It is confirmed that adhesion of endothelial cells to Del1 is integrin mediated and that Del1 binds ITGAV/ITGB3. Functional analysis showed that both Del1 and vitronectin (VTN) stimulate endothelial cell migration. Immunoprecipitation and immunoblot analyses revealed that adhesion of endothelial cells to Del1 induces tyrosine phosphorylation of PTK2.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	522023554
NCBI GeneID	10085
NCBI Accession #	NP_001265571.1
NCBI GenBank Nucleotide #	NM_001278642.1
UniProt Accession #	O43854; O43855; Q5D094; Q8N610; B2R763
Molecular Weight	52,748 Da
NCBI Official Full Name	EGF-like repeat and discoidin I-like domain-containing protein 3 isoform 2
NCBI Official Synonym Full Names	EGF like repeats and discoidin domains 3
NCBI Official Symbol	EDIL3
NCBI Official Synonym Symbols	DEL1
NCBI Protein Information	EGF-like repeat and discoidin I-like domain-containing protein 3
UniProt Protein Name	EGF-like repeat and discoidin I-like domain-containing protein 3
UniProt Gene Name	EDIL3
UniProt Synonym Gene Names	DEL1
UniProt Entry Name	EDIL3_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.