

Human Diablo/SMAC AccuSignal ELISA Kit - KOA0503

Code: KOA0503

Size: 1 Kit

Product Description: Human Diablo/SMAC AccuSignal ELISA Kit - KOA0503

PhysicalState:

Label	Unconjugated
Gene Name	DIABLO
Species Reactivity	Human
Storage Condition	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Synonyms	DFNA64, DIABLO, diablo homolog, mitochondrial, diablo, IAP-binding mitochondrial protein, DIABLO-S, direct IAP-binding protein with low pI, mitochondrial Smac protein, second mitochondria-derived activator of caspase, SMAC3
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml human Diablo standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of human cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each human Diablo standard solution and each sample be measured in duplicate.
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.
Purity And Specificity	Natural and recombinant human Diablo. There is no detectable cross-reactivity with other relevant proteins.
ELISA	31.2pg/ml-2000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: E.coli; Immunogen sequence: A56-D239
Anti-Coagulant	Heparin Sodium

Related Products

100-401-244	Anti-Smac/DIABLO (RABBIT) Antibody - 100-401-244
MB-008	10X PBS pH 7.2 (0.2 M Potassium Phosphate 1.5 M Sodium Chloride) - MB-008
MB-012	10X TBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride) - MB-012
MB-013	10X TTBS pH 7.5 (1.0 M Tris HCl 1.5 M Sodium Chloride 0.1% (w/v) Tween-20) - MB-013

Related Links

UniProtKB - Q9NR28

<http://www.uniprot.org/uniprot/Q9NR28>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_001265231.1

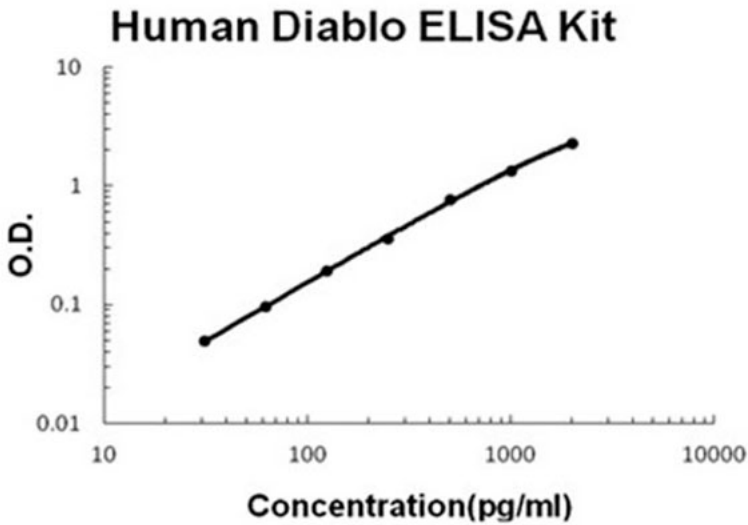
GeneID - 56616

<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=56616>

Images

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Human Diablo/SMAC AccuSignal ELISA Kit standard curve. Assay Range: 78pg/ml-5000pg/ml. Sensitivity: <10pg/ml.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.