

Human Protein Wnt-10b (WNT10B) ELISA Kit | WNT10B elisa kit

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CATALOG #
AAA31481

REACTIVITY
Human

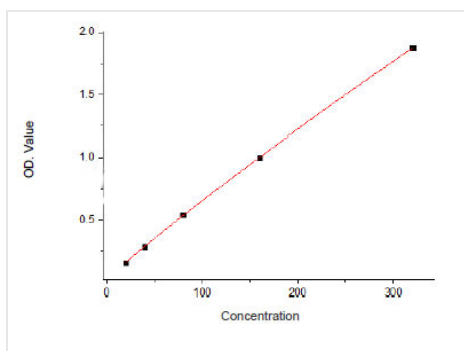
PRODUCT SYNONYMS

Protein Wnt-10b (WNT10B); Human Protein Wnt-10b (WNT10B) ELISA Kit; WNT10B; SHFM6; WNT-12; WNT-10B protein; WNT10B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein Wnt-10b (WNT10B) ELISA Kit has high sensitivity and excellent specificity for detection of Human WNT10B. No significant cross-reactivity or interference between Human WNT10B and analogues was observed.
Sequence Length	389
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	20 ng/L - 320 ng/L
Sensitivity	< 1 ng/L
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for WNT10B elisa kit	Background: WNT10B is a member of the WNT gene family. It may be involved in breast cancer, and its protein signaling is likely a molecular switch that governs adipogenesis. This protein is 96% identical to the mouse Wnt10b protein at the amino acid level. This gene is clustered with another family member, WNT1, in the chromosome 12q13 region. The human WNT10B sequence is 88% and 95% identical to the mouse gene at nucleotide and amino acid levels, respectively. WNT10B expression was not observed in normal and benign proliferations of human breast tissue but was found to be elevated in 3 of 50 primary breast carcinomas. Southern blot analysis of the carcinoma expressing the highest level of WNT10B showed no amplification or rearrangement of the gene. Principle of the Assay: Human Protein Wnt-10b (WNT10B) ELISA Kit employs a two-site sandwich ELISA to quantitate WNT10B in samples. An antibody specific for WNT10B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WNT10B present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human WNT10B detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of WNT10B bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16936522
NCBI GeneID	7480
NCBI Accession #	NP_003385
NCBI GenBank Nucleotide #	NP_003385.2
UniProt Accession #	O00744
NCBI Official Full Name	protein Wnt-10b
NCBI Official Synonym Full Names	Wnt family member 10B
NCBI Official Symbol	WNT10B
NCBI Official Synonym Symbols	SHFM6; STHAG8; WNT-12
NCBI Protein Information	protein Wnt-10b
UniProt Protein Name	Protein Wnt-10b
UniProt Gene Name	WNT10B
UniProt Synonym Gene Names	WNT12
UniProt Entry Name	WN10B_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.