

Human Tapasin (TAPBP) ELISA Kit | TAPBP elisa kit

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CATALOG #
AAA330687

REACTIVITY
Human

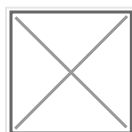
PRODUCT SYNONYMS

Tapasin (TAPBP); Human Tapasin (TAPBP) ELISA Kit; TAPBP; DADB-159G18.7; NGS17; TAPA; TPN; TPSN; TAP-associated protein; tapasin; TAPBP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Tapasin (TAPBP) ELISA Kit has high sensitivity and excellent specificity for detection of Human TAPBP. No significant cross-reactivity or interference between Human TAPBP and analogues was observed.
Sequence Length	448
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Tapasin (TAPBP) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TAPBP elisa kit	Description: This Human Tapasin (TAPBP) ELISA Kit employs a two-site sandwich ELISA to quantitate TAPBP in samples. An antibody specific for TAPBP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TAPBP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TAPBP is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of TAPBP bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TAPBP encodes a transmembrane glycoprotein which mediates interaction between newly assembled major histocompatibility complex (MHC) class I molecules and the transporter associated with antigen processing (TAP), which is required for the transport of antigenic peptides across the endoplasmic reticulum membrane. This interaction is essential for optimal peptide loading on the MHC class I molecule. Up to four complexes of MHC class I and TAPBP may be bound to a single TAP molecule. Tapasin contains a C-terminal double-lysine motif (KKKAE) known to maintain membrane proteins in the endoplasmic reticulum. This gene lies within the major histocompatibility complex on chromosome 6. Alternative splicing results in three transcript variants encoding different isoforms.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12643361
NCBI GeneID	6892
UniProt Accession #	O15533
NCBI Official Full Name	Tapasin
NCBI Official Synonym Full Names	TAP binding protein
NCBI Official Symbol	TAPBP
NCBI Official Synonym Symbols	TPN; TAPA; TPSN; NGS17
NCBI Protein Information	tapasin
UniProt Protein Name	Tapasin
UniProt Gene Name	TAPBP
UniProt Synonym Gene Names	NGS17; TAPA; TPN; TPSN
UniProt Entry Name	TPSN_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.