5'-Nucleotidase, Ecto (NT5E) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	5'-Nucleotidase, Ecto (NT5E), ELISA Kit
Full Product Name	Human 5'-Nucleotidase, Ecto ELISA Kit
Product Gene Name	NT5E elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Samples	Human body fluids, tissue homogenates, secretions or feces samples. This kit is NOT suitable for assaying non-biological sources of substances
Detection Range	3.12ng/ml-100ng/ml
Sensitivity	1.0ng/ml
Specificity	No significant cross-reactivity or interference between this analyte and analogues is observed.
Preparation and Storage	Store all reagents at 2-8 degree C
Inter-assay Precision	Inter-assay CV (%) is less than 15%. [CV(%) = SD/mean ×100].
Intra-assay Precision	Intra-assay CV (%) is less than 15%.
Molecular Weight	62,966 Da
3D Structure	ModBase 3D Structure for Q05927
Related Product Information for NT5E elisa kit	Background/Introduction: This Quantitative Sandwich ELISA kit is only for in vitro research use only! This kit is intended to be used for determination the level of NT5E (hereafter termed "analyte") in undiluted original Human body fluids, tissue homogenates, secretions or feces samples. This kit is NOT suitable for assaying non-biological sources of substances.
Other Notes	Small volumes of NT5E elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for NT5E purchase	MBS062889 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the 5'-Nucleotidase, Ecto (NT5E) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing NT5E. The ELISA analytical biochemical technique of the MBS062889 kit is based on NT5E antibody-NT5E antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect NT5E antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, NT5E. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NT5E. It may not necessarily be applicable to this product.

NCBI GI #	99028963
NCBI GeneID	281363
NCBI Accession #	NP_776554.2
UniProt Primary Accession #	Q05927

UniProt Secondary Accession #	Q24K05
UniProt Related Accession #	Q05927
GenBank Nucleotide #	NM_174129.3
NCBI Official Full Name	5'-nucleotidase
NCBI Official Synonym Full Names	5'-nucleotidase, ecto (CD73)
NCBI Official Symbol	NT5E
UniProt Protein Name	5'-nucleotidase
UniProt Synonym Protein Names	Ecto-5'-nucleotidase
UniProt Gene Name	NT5E
UniProt Synonym Gene Names	NT5; NTE; 5'-NT
UniProt Entry Name	5NTD_BOVIN
NCBI Protein Information	5'-nucleotidase; 5'-NT; ecto-5'-nucleotidase; 5' nucleotidase, ecto
UniProt Comments for NT5E	Function: Hydrolyzes extracellular nucleotides into membrane permeable nucleosides. Catalytic activity: A 5'-ribonucleotide + H2O = a ribonucleoside + phosphate. Cofactor: Zinc. Subunit structure: Homodimer. Ref.4 Subcellular location: Cell membrane; Lipid-anchor › GPI-anchor. Sequence similarities: Belongs to the 5'-nucleotidase family. Caution: The homodimer was initially thought to be disulfide bonded; however it is not the case (Ref.4).
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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