

Human CD10/Nepriylsin AccuSignal ELISA Kit - KOA0512

Code: KOA0512

Size: 1 Kit

Product Description: Human CD10/Nepriylsin AccuSignal ELISA Kit - KOA0512

PhysicalState:

Label	Unconjugated
Gene Name	MME
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	Atriopeptidase, CALLA, CD10, CD10 antigen, Common acute lymphocytic leukemia antigen, Enkephalinase, EPN, gp100, Membrane metallo endopeptidase, Membrane metallo endopeptidase variant 1, Membrane metallo endopeptidase variant 2, Membrane metalloendopeptidase, Membrane metalloendopeptidase neutral endopeptidase enkephalinase, Membrane metalloendopeptidase variant 1, Membrane metalloendopeptidase variant 2, NEP, NEP_HUMAN, Nepriylsin, Neutral endopeptidase, SFE, Skin fibroblast elastase
Application Note	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 8000pg/ml, 4000pg/ml, 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml human CD10 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 CD10 standard solution and each sample be measured in duplicate.
Background	CD10, also known as membrane metallo-endopeptidase, neutral endopeptidase(NEP), Nepriylsin, or common acute lymphoblastic leukemia antigen(CALLA), is a zinc-dependent metalloprotease enzyme that degrades a number of small secreted peptides, most notably the amyloid beta peptide whose abnormal misfolding and aggregation in neural tissue has been implicated as a cause of Alzheimer's disease. This gene is localized to human chromosome 3 by study of somatic cell hybrids and regionalized the location to 3q21-q27 by in situ hybridization. By cDNA transfection analysis, CD10 is confirmed as a functional neutral endopeptidase of the type that has previously been called enkephalinase. CD10 has also been called atriopeptidase. Atriopeptidase specifically degrades atrial natriuretic factor. A specific enzyme inhibitor was developed and reported that it had effects similar to those of low-dose ANF infusion. These effects include diuresis, natriuresis, vasodilatation, and suppression of the renin-angiotensin-aldosterone system.
Purity And Specificity	Natural and recombinant human CD10. There is no detectable cross-reactivity with other relevant proteins.
ELISA	125pg/ml-8000pg/ml
Expiration	See kit insert for complete instructions.
Immunogen	Expression system for standard: CHO; Immunogen sequence: Y52-W750
Anti-Coagulant	Heparin Sodium

Related Products

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
MB-075-1000	10X PBST (0.2 M Potassium Phosphate 1.5 M Sodium Chloride, 0.5% (v/v) Tween-20, pH 7.2) - MB-075-1000

Related Links

UniProtKB - P08473

<http://www.uniprot.org/uniprot/P08473>

 NCBI - http://www.ncbi.nlm.nih.gov/protein/NP_000893.2
 NP_000893.2

GeneID - 4311

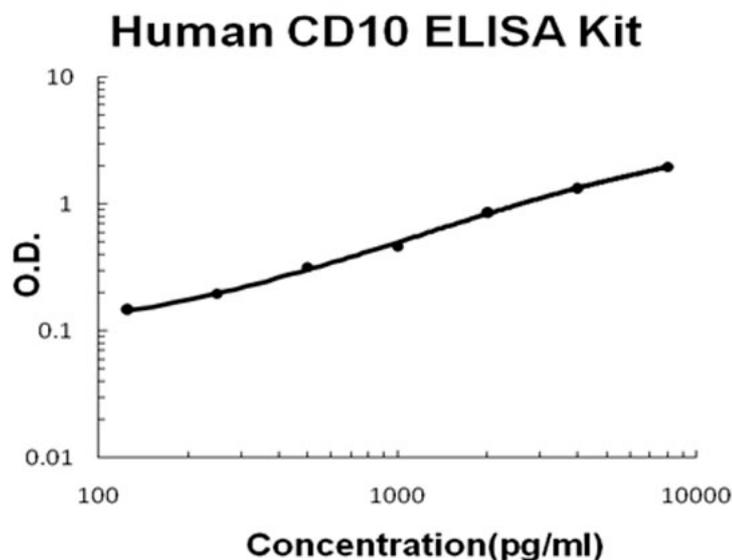
<http://www.ncbi.nlm.nih.gov/sites/entrez?db=gene&term=4311>

KOA0512 Protocol <http://www.rockland-inc.com/uploadedfiles/Support/KOA0512-%20SZ.pdf>

Images

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Human CD10/Nepriylsin AccuSignal ELISA Kit standard curve.
Assay Range: 125pg/ml-8000pg/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.