

Human C-Peptide ELISA Kit

C-Peptide ELISA Kit

CATALOG #
AAA77758

REACTIVITY
Human

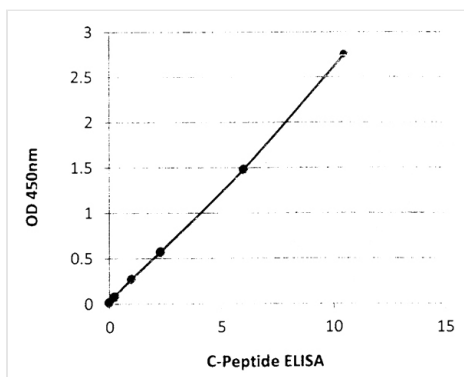
PRODUCT SYNONYMS

C-Peptide; C-Peptide ELISA Kit; C-Peptide ELISA; C-Peptide elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Human serum
Preparation and Storage	Product should be stored at 2-8 degree C. Product is stable for 24 months from the date of manufacturing.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C-Peptide elisa kit

Principle of the Assay: The C-peptide is a solid phase direct sandwich ELISA method. The samples and conjugate reagent (anti C-peptide biotin & HRP) are added to the wells coated with Streptavidin. C-peptide in the patient's serum binds to the matched pair Abs, forming a sandwich complex and simultaneously the complex is being immobilized on the plate through streptavidin-biotin interactions. Unbound proteins and HRP conjugate is washed off by wash buffer. Upon the addition of the substrate, the intensity of color is proportional to the concentration of C-peptide in the samples. A standard curve is prepared relating color intensity to the concentration of the C-Peptide.

Intended Uses: The C-peptide ELISA (enzyme-linked immunosorbent assay) kit is intended for the quantitative determination of human C-peptide levels in human serum.

Product Categories/Family for C-Peptide elisa kit

[Diabetes Markers](#)

References

1. Ashby, J. and Frier, B.: Circulating C-Peptide: Measurement and Clinical Applications. *Annals of Clinical Biochemistry*. 18:125, 1981.
2. Beischer, W.: Proinsulin and C-Peptide in Humans. *Hormones in Normal and Abnormal Human Tissues*. Volume 3K, Fotherby and Pal, S., ed. (Berlin: Walter DeGruyter). pp. 1-43, 1983.
3. Beyer, J., Krause V., Cordes V.: C-Peptide: Its Biogenesis, Structure, Determination and Clinical Significance. *Giornale Italiano di Chimica Clinica* 4 Supp. 9:22, 1979.
4. Bonger, A. and Garcia-Webb, P.: C-Peptide Measurement: Methods and Clinical Utility. *CRC Critical Reviews in Clinical Laboratory Sciences*. 19:297, 1984.
5. Blix, P. Boddie-Wills, C., Landau, R., Rochman, H. Rubenstein, A.: Urinary C-Peptide: An Indicator of Beta-Cell Secretion under Different Metabolic Conditions. *UJournal of Clinical Endocrinology and Metabolism*. 54:574, 1982.
6. Rendell, M.: C-Peptide Levels as a Criterion in Treatment of Maturity-Onset Diabetes. *Journal of Clinical Endocrinology and Metabolism*. 57 (6): 1198, 1983.
7. Horwitz, D., et al.: Proinsulin, Insulin and C-Peptide concentrations in Human Portal and Peripheral Blood. *Journal of Clinical Investigation*. 55:1278, 1975

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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/c-peptide/77758>