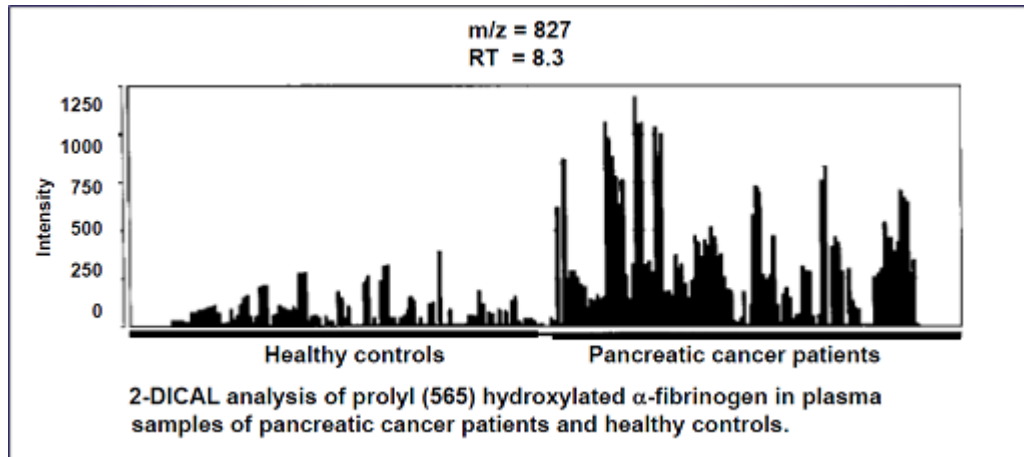


Human Prolyl 4-Hydroxylated α -Fibrinogen

Fibrinogen is one of the major components of plasma, and is a hexamer composed of pairs of three polypeptides (α -, β - and γ -chain). Prolyl hydroxylation is known to be essential for folding, secretion, and stability of collagen triple helixes.



In a powerful study using 2-Dimensional Image Converted Analysis of Liquid chromatography and mass spectrometry (2DICAL), it was found that proline 565 and 530 residues in α -fibrinogen is hydroxylated by the prolyl hydroxylase P4HA1. In addition, the plasma level of prolyl 4-hydroxylated α -fibrinogen (HP-FGA) was increased in individuals who suffer pancreatic cancer. The significant difference between the said group (n=43) and healthy subjects (n=43) was observed in the 2-DICAL analysis.

Catalog Number: KT-696

- Range: 2.73 ng/mL - 175 ng/mL
- Sensitivity: 0.43 ng/mL
- Specificity: Human HP-FGA - 100%
Human Serum Albumin - 0%
Human Transferrin - 0%
Human IgG - 0%
- Intra-assay CV: 7.8% - 9.5%
- Inter-assay CV: 4.2% - 4.9%

For *In Vitro* Research Use Only. Not for use in diagnostic procedures in the U.S.
For additional information please visit www.K-ASSAY.com

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