

Procalcitonin Recombinant Protein | PCT recombinant protein

Procalcitonin, PCT

CATALOG # AAA59115	HOST E. Coli	APPLICATIONS SDS-Page, ELISA
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PRODUCT SYNONYMS

Procalcitonin; PCT; PCT recombinant protein

PRODUCT SPECIFICATIONS

Host	E. Coli
Purity/Purification	>95% by SDS-PAGE
Form/Format	Lyophilized from 0.01 M PBS (pH7.4) with 2% BSA and 0.03% Proclin 300.
Applicable Applications for PCT recombinant protein	SDS-PAGE, ELISA
Preparation and Storage	Shipping: Blue ice. Upon receipt, aliquot and store at -20°C or -80°C for long term. Avoid repeated freeze and thaw cycles

ADDITIONAL INFORMATION

Related Product Information for PCT recombinant protein	Recombinant human PCT protein with 6×His tag at N-terminal Procalcitonin (PCT) is a peptide precursor of the hormone calcitonin, the latter being involved with calcium homeostasis. It is composed of 116 amino acids and is produced by parafollicular cells (C cells) of the thyroid and by the neuroendocrine cells of the lung and the intestine. The level of procalcitonin in the blood stream of healthy individuals is below the limit of detection (10 pg/mL) of clinical assays. Its level rises in a response to a proinflammatory stimulus, especially of bacterial origin. Measurement of PCT concentrations during multiple organ dysfunction syndrome provides more information about the severity and the course of the disease than that of CRP. It can be used as a marker of severe sepsis caused by bacteria and generally grades well with the degree of sepsis, although levels of procalcitonin in the blood are very low. PCT has the greatest sensitivity (85%) and specificity (91%) for differentiating patients with systemic inflammatory response syndrome (SIRS) from those with sepsis, when compared with IL-2, IL-6, IL-8, CRP and TNF-alpha.
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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://stage.aaabiotech.com/procalcitonin-recombinant-protein-e-coli-sds-page-elisa/59115>