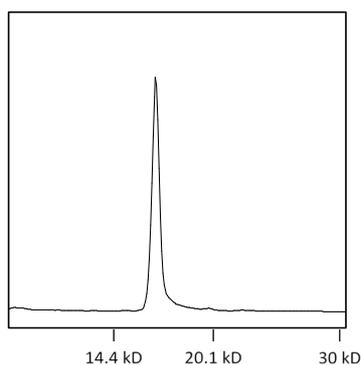


Product specifications

| | |
|--------------------------------|--|
| Name | Recombinant PCT antigen, 100 µg |
| Description | Recombinant human procalcitonin (PCT) protein with a C-terminal histidine tag. Predicted molecular weight: 14 kDa |
| Amino acid sequence | MAPFRSALESSPADPATLSEDEARLLLLAALVQNYVQMKASELEQEQEREGSSLDSPRSKRCGNLSTCM LGTYTQDFNKFHTFPQTAIGVGAPGKKRDMSSDLERDHRPHVSMQPQANLEHHHHHHH |
| Product host | <i>Escherichia coli</i> (<i>E. coli</i>) |
| Product code | 610080 |
| Product formulation | Lyophilized |
| Product buffer solution | Lyophilized from 50 mM Tris-HCl, pH 7.5; 150 mM NaCl; containing 6 % sucrose as stabilizer |
| Reconstitution | Reconstitute the lyophilized protein with deionized water |
| Shelf life and storage | Unspecified for lyophilized product, storage at 2-8 °C. After reconstitution 1 week at 2-8 °C and 10 months at - 20 °C. |
| Analyte description | Procalcitonin (PCT) is a precursor protein of the hormone calcitonin, produced by the thyroid gland. It is a 116 amino acid protein that is cleaved intracellularly to form three peptides: N-terminal procalcitonin, calcitonin, and katalcalcin. In healthy individuals, only the calcitonin polypeptide is secreted into the bloodstream, and PCT serum levels are very low. However, in patients with systemic infections, and especially sepsis, serum PCT levels rise rapidly. |
| Product concentration | N/A |
| Purity | Capillary electrophoresis (CE-SDS) |



Reactivity with MedixMABs

Anti-h PCT 4003: +
 Anti-h PCT 4004: +
 Anti-h PCT 4005: +
 Anti-h PCT 4006: +
 Anti-h PCT 4008: +
 Anti-h Calcitonin 4050: -
 Anti-h Calcitonin 4051: +

