



Carbuncle *BioScienTech*, LLC.

Product Specification

Anti-Procalcitonin / Calcitonin Monoclonal Antibody

Clone No. CT02

Catalog No. CB02-CT02

Description: Mouse anti-procalcitonin / calcitonin monoclonal antibody, Clone No. CT02, unconjugated.

Immunogen: Synthetic peptide of human calcitonin, conjugated with protein.

Form: Solution in Dulbecco's Phosphate-Buffered Saline (modified) containing 0.03% ProClin.

Quantity: 50 µg

Concentration: 0.9-1.1 mg/mL

Determined by extinction coefficient, absorbance at 280nm of 1.38 equals 1.0 mg of IgG ($E_{1\text{cm}}^{1\%} = 13.8$).

Purification: Affinity chromatography using protein G.

Application: Procalcitonin immunoassay and Calcitonin immunoassay

Subclass: IgG1

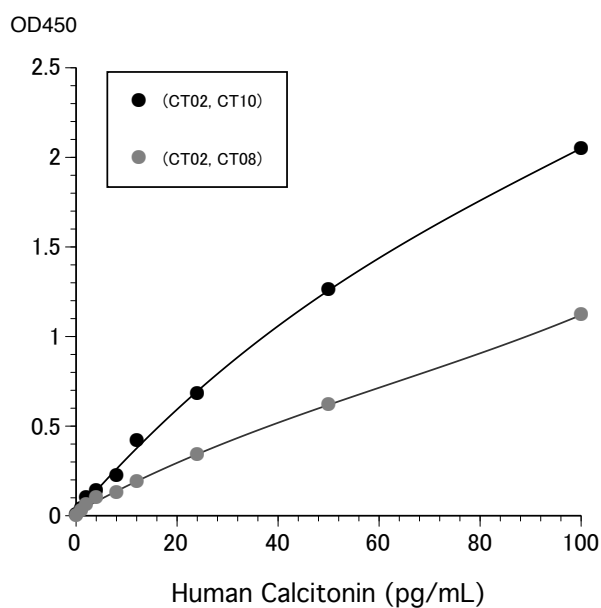
Specificity: React to central part of human calcitonin. This antibody dose not cross-react with salmon, chicken and porcine calcitonin.

Storage: store at -20°C or -75°C. Avoid freeze-thaw cycles.

Stability : frozen, 1 year at -75°C or less.

Note: For research use only.

Calibration curve of calcitonin sandwich immunoassay



CT02 (calcitonin; central part, IgG1) ----- CT08 (calcitonin; C- terminus, IgG1)

CT02 (calcitonin; central part, IgG1) ----- CT10 (calcitonin; N- terminus, IgG1)



Comparison of calcitonin concentration in normal human serum

