

Procalcitonin (PCT) Mouse mAb

Catalog Number: bsm-41463M

Target Protein: Procalcitonin (PCT)

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 2F2-B4

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:400-800), IF (1:100-500)

Reactivity: Human

Predicted MW: 13 kDa

Entrez Gene: 796

Swiss Prot: P01258

Source: Recombinant human Procalcitonin(PCT) : 26-141/141 .

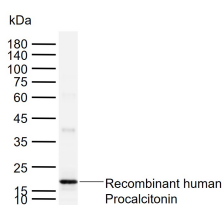
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

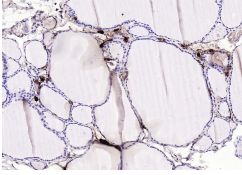
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: Procalcitonin (PCT) is a peptide precursor of the hormone calcitonin, the latter being involved with calcium homeostasis. It arises once preprocalcitonin is cleaved by endopeptidase. 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.

VALIDATION IMAGES



Sample: Lane 1: Recombinant human Procalcitonin, N-His Primary: Anti-Procalcitonin (PCT) (bsm-41463M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 13 kDa Observed band size: 17 kDa



Paraformaldehyde-fixed, paraffin embedded (human thyroid gland); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Procalcitonin (PCT)) Monoclonal Antibody, Unconjugated (bsm-41463M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.