

#D10011

# Calcitonin[2H4] Mouse Ab



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- 50  $\mu$ l
- 100  $\mu$ l
- 200  $\mu$ l

## DESCRIPTION

The most prominent clinical syndrome associated with a disordered hypersecretion of Calcitonin is medullary carcinoma of the thyroid (MTC). MTC is a tumor of the Calcitonin producing C-cells of the thyroid gland. Although MTC is rare, comprising 5 - 10% of all thyroid cancer, it is often fatal. Further, it leant itself to be diagnosed early by serum Calcitonin and total cure for early sub-clinical disease is possible. Neoplastic disorders of other neuroendocrine cells can also elevate Calcitonin. The best example is small cell lung cancer. Other tumors such as carcinoids and islet cell tumors of the pancreas can also result in elevated serum Calcitonin. Increases in serum Calcitonin has also been noted in both acute and chronic renal failure, hypercalciuria and hypercalcemia.

## SPECIFICITY

Human Calcitonin

## FORMAT

Purified : IgG / Liquid  
Purification : Affinity chromatography on Protein G  
Buffer system : 10 mM Hepes , 75 mM NaCl , pH 7.5, containing 0.05%  
Procline 300

## HOST/ISOTYPE

Mouse / IgG2a

## CLONE

2H4

## IMMUNOGEN

Synthetic peptide corresponding to the a.a. 16- 32 of human Calcitonin, conjugated to a high molecular weight carrier

## APPLICATION

ELISA 1:10000--1:5000000

## STORAGE

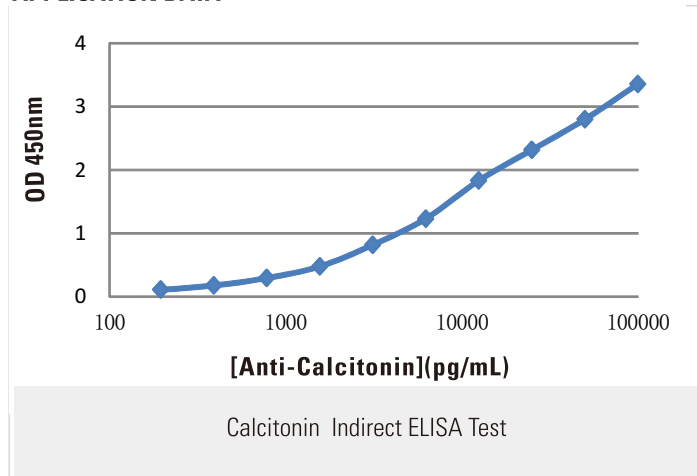
Stored at -20°C or below until use. Avoid repeated freezing and thawing cycles.

## COMPANION PRODUCTS

#D10000 PTH[3H19-B] Mouse mAb  
#D10001 PTH[4G4] Mouse mAb  
#T30000 Digoxin[1B9] Mouse mAb  
#T30001 Digoxin[2N7] Mouse mAb

**Reactivity Key:** H—human, M—mouse, R—rat, ChHm—Chinese hamster, Mk—monkey, C—chicken, Dm—D.melanogaster, X—xenopus, Z—zebrafish, B—bovine, Dg—dog, Pg—pig, Sc—S.cerevisiae, Ce—C.elegans, Hr—horse

## APPLICATION DATA



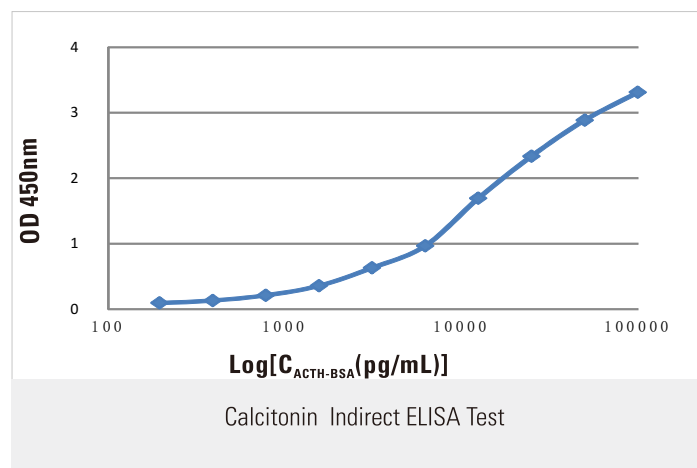
**Coating :** Calcitonin at 1  $\mu$ g/mL by Carbonate-Bicarbonate

**Incubation :** Anti-Calcitonin antibody at 100--0.1 ng/mL dilution

### Secondary

Goat Anti-Mouse IgG-HRP at 1/10000 dilution

Blocking/Dilution buffer : 5% milk/PBST



**Coating :** Calcitonin at 1000--1 ng/mL by Carbonate-Bicarbonate

**Incubation :** Calcitonin at 1  $\mu$ g/mL dilution

### Secondary

Goat Anti-Mouse IgG-HRP at 1/10000 dilution

Blocking/Dilution buffer : 5% milk/PBST