#D10012

Calcitonin[4O6] Mouse Ab

Orders ■ 400-6123-828
orders@ab-mart.com
Web ■ www.ab-mart.com.cn

☐50 µl
☐100 µl
☐200 µl

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
Purfication : Affinity chromatography on Protein G
Buffer system : 10 mM Hepes , 75 mM NaCl , pH 7.5, containing 0.05% Procline 300

HOST/ISOTYPE
Mouse / IgG2b

CLONE
4O6

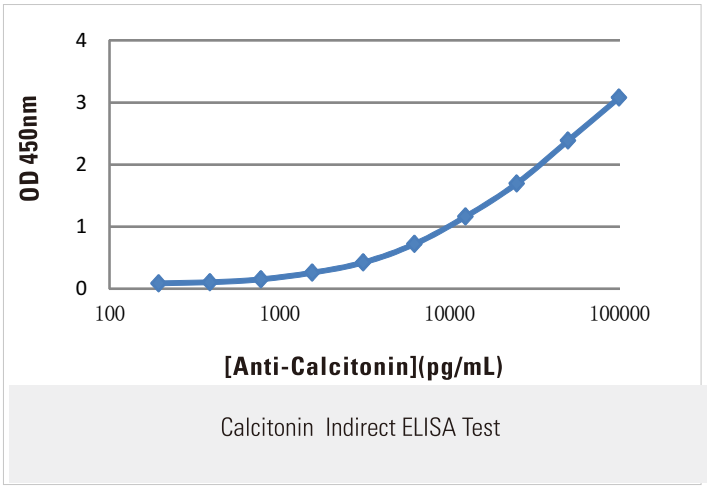
IMMUNOGEN
Synthetic peptide corresponding to the a.a. 16- 32 of human Calcitonin, conjugated to a high molecular weight carrier

APPLICATION
ELISA 1:10000--1:5000000

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

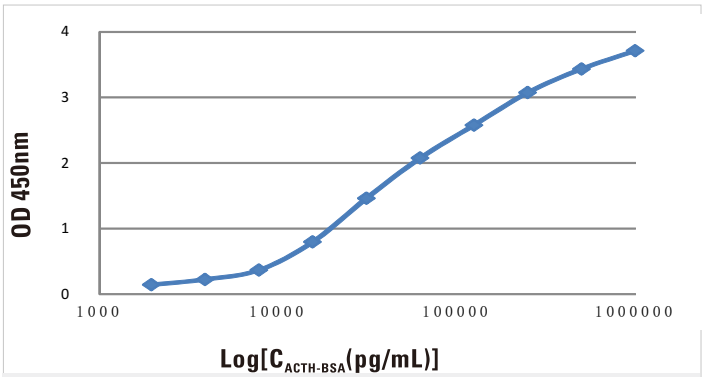
COMPANION PRODUCTS
#D10000 PTH[3H19-B] Mouse mAb
#D10001 PTH[4G4] Mouse mAb
#T30000 Digoxin[1B9] Mouse mAb
#T30001 Digoxin[2N7] Mouse mAb

APPLICATION DATA



Calcitonin Indirect ELISA Test

Coating : Calcitonin at 1 µg/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



Calcitonin Indirect ELISA Test

Coating : Calcitonin at 1000--1 ng/mL by Carbonate-Bicarbonate
Incubation : Calcitonin at 1 µg/mL dilution
Secondary
Goat Anti-Mouse IgG-HRP at 1/10000 dilution
Blocking/Dilution buffer : 5% milk/PBST

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

For *in vitro* research use only and not intended for use in humans or animals.