



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Calcitonin

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[nordicmubio.com/product/calcitonin](http://nordicmubio.com/product/calcitonin)

Catalogue number: **CA102**

Clone	SP17
Isotype	Ig
Product Type	Primary Antibodies
Units	1 ml
Host	Rabbit
Application	Immunohistochemistry (frozen) Immunohistochemistry (paraffin)

### Background

The antibody, which is specific for human Calcitonin, may be used for the detection of C-cells in the thyroid glands. It is also suitable for the investigation of C-cell hyperplasia and for the detection of medullary thyroid carcinoma in which calcitonin is over-expressed. Calcitonin is a peptide hormone of 32 aa length, which is produced by C-cells of the thyroid gland. The hormone is responsible for the homeostasis of Calcium in blood and for Calcium uptake into bone cells. Human Calcitonin .

### Source

*Immunogen:* Synthetic human Calcitonin 1-32 (KLH-conjugate)

### Product

Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide\*\*. The volume is sufficient for at least 100 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art. No. PU002.

*Purification Method:* Antibody solution in stabilizing phosphate buffer pH 7.3. Contains 0.09 % sodium azide\*\*. The volume is sufficient for at least 100 immunohistochemical tests (100 µl working solution / test). Use appropriate antibody diluent e.g. BIOLOGO Art. No. PU002.

*Secondary Reagents:* We recommend the use of BIOLOGO's Universal Staining System DAB (Art. No. DA005) or AEC (Art. No. AE005).

## **Specificity**

*Species Reactivity:* Human, Monkey, Dog, Mouse, Horse, Rat, Sheep, Pig, others not tested

## **Applications**

IHC(C, P)

*Incubation Time:* 60 min at RT

*Working Concentration:* (liquid conc.) 1:25-1:50

*Pre-Treatment:* Improvement of staining with unmasking fluid G (Art. No. DE007) or unmasking fluid C (Art. No. DE000)

*Positive Control:* Thyroid gland, Medullary Thyroid Carcinoma

## **Storage**

2-8°C

## **Caution**

\*These antibodies are intended for in vitro research use only. They must not be used for clinical diagnostics and not for in vivo experiments in humans or animals. \*\* The preservative sodium azide is known to be poisonous and potentially hazardous to health. It should be handled only by trained staff. Despite of the product's low azide concentration it must be handled with care. Dispose according to regional rules!

## **References**

1. Talerman A., Lindeman J., Kievit-Tyson P.A., et al. (1979) Demonstration of calcitonin and carcinoembryonic antigen (CEA) in medullary carcinoma of the thyroid (MCT) by immunoperoxidase technique. *Histopathol.* 3; 503-510. 2. Holm R., Nesland J.M., Attramadal A. et al. (1989) Null cell adenomas of the pituitary gland. An immunohistochemical study. *J. Pathol.* 153; 213-217. 3. Grunditz T., et al. (1986) Calcitonin gene-related peptide in thyroid nerve fibers and C-cells: effect on thyroid hormone secretion and response to hypercalcemia. *Endocrinology* 119; 2313-2324. 4. Luts A. et al. (1994) Calcitonin, CGRP and helodermin in endocrine cells of the developing rat lung. *Regulatory Peptides* 51; 121-129.

## **Protein Reference(s)**

*Database Name:* UniProt

*Accession number:* P01258 CALC\_HUMAN

*Species Accession:* Human

