



## Polyclonal Antibody to Calcitonin

### Technical Data Sheet

#### Reagent Category

Polyclonal primary antibodies to  
Calcitonin

#### Antibody Formats Supplied

- 7 ml of anti Calcitonin, Ready-To-Use
- 0.2 ml of anti Calcitonin, Concentrate

**PRODUCT# IMI12561E (Ready-To-Use)**

**PRODUCT# IMI12552E (Concentrate)**

**SOURCE:** Rabbit

**IMMUNOGEN:** Synthetic human calcitonin covalently bound to

#### **REACTIVITY**

This affinity purified rabbit anti calcitonin sera reacts with both normal and tumor tissues, in normal tissues, it reacts with thyroid, pituitary, brain, lung and neuroendocrine cells. In tumor tissues, reactivity can be seen in a variety of malignancies such as prostate, pancreas, lung, endometrium, stomach, some lymphomas and with some leukemias. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

**POSITIVE CONTROL TISSUE:** Thyroid

**STAINING PATTERN:** Cytoplasmic staining

#### **Antibody FORMATS, DILUTIONS and INCUBATIONS**

Affinity purified polyclonal Calcitonin antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.1% sodium azide.

**7 ml of Ready-to-Use; Do not dilute. Incubate for 10-30 minutes. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

*For Background-Free and easy retrieval, Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing the solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.*

**0.2 ml of Concentrate, dilute 1:50-1:100 for 30-minutes incubation. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.**

*For Background-Free and easy retrieval, Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing the solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.*

*The above dilutions and incubation times were derived by the use of Innovex STAT-Q and HISTO-STAT (2-step) detection systems. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.*

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## APPLICATIONS

This antibody is intended for use in immunolocalization of calcitonin containing cells antigens by a variety of immunoassays such as Immunochemistry, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative and /or quantitative localization of Calcitonin containing cells. This antibody can also be used for quantitative flow cytometric assays in the indirect method.

## SPECIES REACTIVITY

This antibody reactivity with human, dog and rat tissues has been substantiated, other species reactivity may be characterized by the end user.

## STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

## IMPORTANT NOTE:

**The interpretation of test results is the sole responsibility of the end user.**

***FOR PROFESSIONAL AND RESEARCH USE ONLY***