

## Datasheet for 200-301-I39

**Procalcitonin (15F6.F6.F9) Antibody****Overview**

<b>Description:</b>	Anti-Procalcitonin (MOUSE) Monoclonal Antibody - 200-301-I39
<b>Item No.:</b>	200-301-I39
<b>Size:</b>	100 µg
<b>Applications:</b>	ELISA, WB
<b>Reactivity:</b>	Human
<b>Host Species:</b>	Mouse Balb/c

**Product Details**

<b>Background:</b>	Anti-Procalcitonin antibody detects human Procalcitonin. Procalcitonin is a peptide hormone mainly produced by the C cells of the thyroid and certain endocrine cells of the lung. Under normal expression conditions, procalcitonin is immediately cleaved into three specific fragments, a N terminal residue, calcitonin and katacalcin. Levels of unprocessed procalcitonin rise significantly after bacterial infection, trauma or shock. This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katacalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.
<b>Synonyms:</b>	mouse anti-procalcitonin antibody, calcitonin isoform CT preproprotein, calcitonin-related polypeptide alpha, CT, KC, CGRP, CALC1, CGRP1, CGRP-I
<b>Host Species:</b>	Mouse Balb/c
<b>Clonality:</b>	Monoclonal
<b>Clone ID:</b>	15F6.F6.F9
<b>Format:</b>	IgG1

**Target Details**

<b>Gene Name:</b>	CALCA
<b>Reactivity:</b>	Human

<b>Immunogen Type:</b>	Recombinant Protein
<b>Immunogen:</b>	Procalcitonin Antibody was produced in mice prepared by repeated immunizations with full-length recombinant human Procalcitonin protein.
<b>Purity/Specificity:</b>	Anti-Procalcitonin Antibody was purified from concentrated tissue culture supernate by Protein A chromatography. This antibody is specific for human Procalcitonin. Cross-reactivity with Procalcitonin from other sources has not been determined.
<b>Relevant Links:</b>	<ul style="list-style-type: none"><li><a href="#">UniProtKB - P06881</a></li></ul>

## Application Details

<b>Tested Applications:</b>	ELISA, WB
<b>Application Note:</b>	Anti-Procalcitonin [15F6.F6.F9] antibody was tested by ELISA and Western Blot. Specific conditions for reactivity should be optimized by the end user.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	User Optimized
<b>WB:</b>	1:1,000 - 1:2,000

## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	1.0mg/ml by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Dry Ice
<b>Storage Condition:</b>	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images



### Western Blot

Western Blot of Mouse Anti-Procalcitonin antibody. Lane 1: MW. Lane 2: Procalcitonin Protein. Load: 5 µg per lane. Primary antibody: Procalcitonin antibody at NEAT overnight at 4°C. Secondary antibody: HRP Mouse IgG secondary antibody at 1:40,000 for 30 min at RT. Block: MB-070 overnight at 4°C. Predicted/Observed size: 13.9 kDa.

## Disclaimer

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