

## PRODUCT SPECIFICATIONS

<b>Name</b>	Anti-h Calcitonin 4051
<b>Specificity</b>	Antibody recognizes human calcitonin and procalcitonin
<b>Description</b>	Monoclonal antibody raised against human calcitonin. <i>In vitro</i> cultured mouse hybridomas.
<b>Product code</b>	700020
<b>Product buffer solution</b>	0.1 M BBS, pH 8, 0.9 % NaCl
<b>Shelf life and storage</b>	60 months from manufacturing at 2-8 °C
<b>Analyte description</b>	Calcitonin is a peptide hormone secreted by the thyroid gland. Calcitonin concentrations are increased in patients with medullary thyroid carcinoma (MTC) and can be used to diagnose and monitor the disease.

## PARAMETERS TESTED ON EACH LOT

<b>Product appearance</b>	Liquid
<b>Product concentration</b>	> 1.0 mg/ml
<b>Immunoreactivity</b>	Not Determined (N/D)
<b>IEF Profile</b>	6.0 – 6.3
<b>Purity</b>	≥ 95 %

## PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

<b>Subclass</b>	IgG <sub>1</sub>
<b>Association rate constant</b>	Not Determined (N/D)
<b>Dissociation rate constant</b>	N/D
<b>Affinity constant</b>	N/D
<b>Determination method</b>	-
<b>Determination antigen</b>	-

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### Oy Medix Biochemica Ab

**Headquarters and manufacturing**  
Klovinpellontie 3  
FI-02180 Espoo, Finland

medix@medixbiochemica.com  
www.medixbiochemica.com  
VAT reg. no. FI4631532

**Cross-reactivities** N/D

**Epitope** N/D

**Pair recommendations** CAPTURE ANTIBODY DETECTION ANTIBODY

**For calcitonin**

4051	4050
4050	4051

**For procalcitonin**

		DETECTION					
		4003	4004	4005	4006	4008	4051
CAPTURE	4003	-	+	+	-	-	+
	4004	+	-	-	+	+	-
	4005	+	-	-	+	+	-
	4006	-	+	+	-	-	+
	4008	-	+	+	-	-	+
	4051	+	-	-	+	+	-

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

**Product stability** TEMPERATURE, TIME RESULT  
N/D -

**Miscellaneous** Reacts with recombinant PCT antigen, Medix Biochemica, 610080.

**References** -