

PRODUCT SPECIFICATIONS

| | |
|--------------------------------|--|
| Name | Anti-h Calcitonin 4051 |
| Specificity | Antibody recognizes human calcitonin and procalcitonin |
| Description | Monoclonal antibody raised against human calcitonin. <i>In vitro</i> cultured mouse hybridomas. |
| Product code | 700020 |
| Product buffer solution | 0.1 M BBS, pH 8, 0.9 % NaCl |
| Shelf life and storage | 60 months from manufacturing at 2-8 °C |
| Analyte description | 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

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

PARAMETERS DETERMINED DURING PRODUCT DEVELOPMENT

| | |
|-----------------------------------|----------------------|
| Subclass | IgG ₁ |
| Association rate constant | Not Determined (N/D) |
| Dissociation rate constant | N/D |
| Affinity constant | N/D |
| Determination method | - |
| Determination antigen | - |

Legal disclaimer

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| | | |
|-----------------------------|--|---------------------------|
| Cross-reactivities | N/D | |
| Epitope | N/D | |
| Pair recommendations | CAPTURE ANTIBODY | DETECTION ANTIBODY |
| | For calcitonin | |
| | 4051 | 4050 |
| | 4050 | 4051 |
| | For procalcitonin | |
| | 4051 | 4006, 4002, 4003 |
| | 4003, 4006 | 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 | - | |
| References | - | |

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