

## MONOCLONAL ANTIBODY CD57

Cat. No.	Form	Quantity	Presentation
1166	Pre-diluted	6 ml	Ready-to-use

<b>Clone</b>	NC1
<b>Isotype</b>	IgM (mouse).
<b>Immunogen</b>	Cells from quail ciliary ganglia.
<b>Specificity</b>	<p>The NC1 antibody recognizes a carbohydrate antigen present on the Natural Killer cells (mononuclear cells with most non-MHC restricted cytotoxic activity), and in neuroectodermal tissue (myelin associated glycoprotein).</p> <p><u>Normal tissues:</u> Natural Killer cells in lymphoid tissues, normal prostatic glands, cellular elements of the central and peripheral nervous system, gastrointestinal neuroendocrine cells, some pancreatic islet cells, renal pelvis epithelium and some tubule cells are positive with NC1 antibody.</p> <p><u>Tumor tissues:</u> Studies indicate that this antibody recognizes the neuroendocrine tumors, prostatic adenocarcinomas, lung small cell carcinomas, some rare mammary carcinoma and other adenocarcinomas of the gastrointestinal tract or of the lung.</p> <p><u>Staining pattern:</u> cytoplasm and/or membrane on the apical surface of adenomatous tumours. Membrane of NK cells.</p>
<b>Positive Control</b>	Prostatic glands, NK cells.
<b>Applications</b>	Immunohisto and cytochemical staining of CD57 in small cell neuroendocrine carcinomas, in small cell lung carcinoma and prostatic adenocarcinomas, in sweat gland carcinomas, in peripheral nerve sheath tumors and the Abrikosoff tumor (granular cell tumor) and on NK cells in neoplastic lesions.
<b>Buffer</b>	50 mM Tris-HCl, 0.15 M NaCl, pH 7.4 containing 1 mg/ml bovine serum albumin and 0.1% sodium azide. The buffer contains a green dye.
<b>Storage</b>	The antibody solution should be stored at 2-8°C.
<b>Recommended Procedure</b>	NC1 antibody is ready for use on cytological samples, frozen sections, and routinely fixed (B5, Bouin's, Dubosq-Brasil, Zenker's and formalin), paraffin-embedded tissue sections. Process immunostaining according to previously described methods (4).

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FOR RESEARCH USE ONLY - NOT FOR USE IN DIAGNOSTIC PROCEDURES



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**References**

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