

**CD56 / NCAM-1 Ab-2**

Catalog # MS-204-P0, -P1, or -P (0.1ml, 0.5ml, or 1.0ml at 200ug/ml)

Catalog # MS-204-R7 (7.0ml)

Catalog # MS-204-RQ (12.0ml)

Catalog # MS-204-PCS

Please note this data sheet has been changed effective December 6, 2011

**INTENDED USE:**

- **For In Vitro Diagnostic Use:** This product is intended for qualitative immunohistochemistry with normal and neoplastic formalin-fixed, paraffin-embedded tissue sections, to be viewed by light microscopy.
- **Description:** Three isoforms of neural cell adhesion molecule (NCAM) are produced by differential splicing of the RNA transcript from a single gene. The 135kDa isoform is the basic molecule which is glycosylated or sialylated to produce the mature species. NCAM (CD56) is reported to express on most neuroectodermal derived cell lines, tissues, and neoplasms such as retinoblastoma, medullblastoma, astrocytoma, and neuroblastoma. It is also expressed on some mesodermally derived tumors such as rhabdomyosarcoma and also on natural killer cells.
- **Expected Staining Pattern:** Cell membrane
- **Positive Control:** Neuroblastoma, Pancreas

**MATERIALS PROVIDED:**

**CD56 / NCAM-1 Ab-2 (refer to catalog number):**

- #MS-204-P (or -P0, -P1): 200ug/ml of antibody purified from ascites. Prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide.  
or
- #MS-204-R7: (7.0ml) of antibody prediluted in 0.05mol/L Tris-HCl, pH 7.6 containing stabilizing protein and 0.015mol/L sodium azide.  
or
- #MS-204-RQ: (12.0ml) of antibody prediluted in 0.025mol/L Tris-HCl, pH 7.4 ±0.1 containing stabilizing protein and 0.015mol/L sodium azide.  
or
- #MS-204-PCS: 5 positive control slides.
- **Antibody Concentration:** 200ug/ml
- **Host:** Mouse
- **Mol. Wt. of Antigen:** 180, 145 and 125kDa
- **Epitope:** Extracellular (close to transmembrane domain)
- **Species Reactivity:** Human. Others-not known.
- **Clone Designation:** 123C3.D5
- **Ig Isotype / Light Chain:** IgG1 / kappa
- **Immunogen:** Membrane preparation of a small cell lung carcinoma
- **Microbiological State:** This product is not sterile.

**MATERIALS REQUIRED, BUT NOT PROVIDED:**

- **Antibody Diluent:** For concentrated antibodies, the antibody must be diluted before using. Use Lab Vision Antibody Diluent (catalog # TA-125-UD). Refer to diluent product instructions for use.
- **Negative Control Reagent:** Refer to the "General Protocol" instructions.
- **Visualization System:** Refer to the "General Protocol" instructions.



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**METHODS AND PROCEDURES:**

<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:50-1:100 in antibody diluent
<b>Tissue Section Pretreatment</b>	Staining of formalin-fixed tissue sections requires treating the tissue sections in boiling 10mM citrate buffer, pH 6.0 (Lab Vision catalog # AP-9003), for 10-20 minutes followed by cooling at room temperature for 20 min.
<b>Primary Antibody Incubation Time</b>	20 minutes at Room Temperature, using LP Detection System
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

<b>Using UltraVision Quanto Detection Systems</b>	
<b>Specimen Preparation</b>	Refer to the "General Protocol" instructions.
<b>Dilution of Concentrated Antibody</b>	1:50 in antibody diluent.
<b>Tissue Section Pretreatment</b>	Staining of formalin fixed sections requires heat induced antigen retrieval using citrate buffer, pH 6.0 (cat. # AP-9003-XXX or TA-XXX-PM1X) heating to 98°C for 20 min using the Thermo Scientific PTModule
<b>Primary Antibody Incubation Time</b>	20 min at RT using the Quanto Detection Systems at Room Temperature
<b>Visualization</b>	To detect antibody, follow the instructions provided with the visualization system.

**STORAGE and STABILITY:**

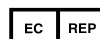
This product contains sodium azide and is stable for 24 months when stored at 2-8°C. Do not use after expiration date indicated on label of the product. If reagent is not stored as recommended, performance must be validated by the user.

**REFERENCES:**

- 1) Gerardy-Schahn R; et al. International Journal of Cancer. Supplement, 1994, 8:38-42.
- 2) Michalides R; et al. International Journal of Cancer. Supplement, 1994, 8:34-7.
- 3) Schol DJ; et al. Int J Cancer. Supplement, 1988, 2:34-40



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