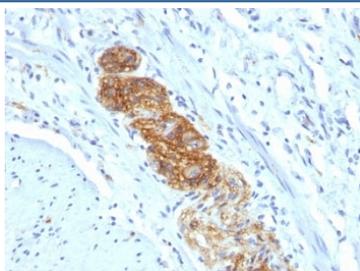


## NCAM Antibody [clone NCAM1/784] (V2753)

| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V2753-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V2753-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V2753SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free  | 100 ug |
| V2753IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

### Bulk quote request

|                           |  |
|---------------------------|--|
| <b>Availability</b>       | 1-3 business days  |
| <b>Species Reactivity</b> | Human  |
| <b>Format</b>             | Purified   |
| <b>Clonality</b>          | Monoclonal (mouse origin)  |
| <b>Isotype</b>            | Mouse IgG1, kappa  |
| <b>Clone Name</b>         | NCAM1/784  |
| <b>Purity</b>             | Protein G affinity chromatography  |
| <b>UniProt</b>            | P13591   |
| <b>Localization</b>       | Cell surface, cytoplasmic  |
| <b>Applications</b>       | Flow Cytometry : 0.5-1ug/10 <sup>6</sup> cells<br>Immunofluorescence : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 0.5-1ug/ml for 30 min at RT |
| <b>Limitations</b>        | This NCAM antibody is available for research use only.   |



IHC: Formalin-fixed, paraffin-embedded human colon stained with NCAM antibody (NCAM1/784)

## Description

This mAb reacts with an extracellular domain (close to transmembrane) of CD56/NCAM. 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. Anti-CD56 recognizes two proteins of the neural cell adhesion molecule, the basic molecule expressed on most neuroectodermally derived tissues and neoplasms (e.g. retinoblastoma, medulloblastomas, astrocytomas, neuroblastomas, and small cell carcinomas). It is also expressed on some mesodermally derived tumors (rhabdomyosarcoma). Anti-CD56 plays an important role in the diagnosis of nodal and nasal NK/T-cell lymphomas.

## Application Notes

Optimal dilution of the NCAM antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 min
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant human protein was used as the immunogen for the NCAM antibody.

## Storage

Store the NCAM antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).