



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Anti-CD56 ANK-1 [8G6] Bulk Size Ab02588-1.1-BT

**Isotype and Format:** Mouse IgG1, Kappa

**Clone Number:** 8G6

**Alternative Name(s) of Target:** CD56; ANK1; NCAM1; NCAM-1; N-CAM-1; Ncam; Neural cell adhesion molecule 1

**UniProt Accession Number of Target Protein:** P13595

**Published Application(s):** IHC (P), WB, FC

**Published Species Reactivity:** Human, Mouse

**Immunogen:** The original antibody was generated by immunizing rats with purified mouse brain N-CAM.

**Specificity:** This antibody binds an epitope called ANK-1 present on most NCAM isoforms expressed on a subset of NK cells of mouse and human. This epitope is selectively expressed on pre-activated, adherent natural killer NK cells (pre-A-NK cells), which are interleukin (IL)-2-stimulated NK cells, that are selectively endowed with the increased expression of integrins and ability to adhere to solid surfaces, migrate into, infiltrate, and destroy cancerous tissues.

**Application Notes:** This antibody was used to classify the nonactivated human peripheral blood NK cells expressing ANK-1 epitope using flow cytometry. It was reported that ANK-1 epitope was preferentially expressed by around 26% of NK cells (range 9–56%) and was exclusively CD56dim. This antibody was also capable of detecting ANK-1 epitope from crude human peripheral blood NK cell and affinity purified brain N-CAM lysates using western blot. This antibody was also used to test the ability of NK cells to respond to IL-2 by generation and expansion of A-NK cells with LAK activity, following depletion of ANK-1+ NK cells by treatment with mAb ANK-1 and complement. This antibody can also be used for the immunohistochemical staining of paraformaldehyde fixed paraffin embedded tissues of spleen, lymph nodes, tonsils, intestines, lungs, and liver tissues (PMID: 15356097).

**Antibody First Published in:** Shen Li et al. A novel epitope of N-CAM defines precursors of human adherent NK cells. *J Leukoc Biol.* 2004 Dec;76(6):1187-99. [PMID:15356097](#)

**Note on publication:** This paper studies a subpopulation of NK cells expressing a unique epitope ANK-1 using an antibody.

### Product Form

**Size:** 1 mg Purified antibody in bulk size.

**Purification:** Protein A affinity purified

**Supplied In:**

PBS only.

**Storage Recommendation:** Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.