10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

NCR3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9767c

Specification

NCR3 Antibody (Center) Blocking Peptide - Product Information

Primary Accession O14931

NCR3 Antibody (Center) Blocking Peptide - Additional Information

Gene ID 259197

Other Names
Natural cytotoxicity triggering receptor 3, Activating natural killer receptor p30, Natural killer cell p30-related protein, NK-p30, NKp30, CD337, NCR3, 1C7, LY117

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

NCR3 Antibody (Center) Blocking Peptide - Protein Information

Name NCR3

Synonyms 1C7, LY117

Function
Cell membrane receptor of natural killer/NK cells that is activated by binding of extracellular ligands including BAG6 and NCR3LG1. Stimulates NK cells cytotoxicity toward neighboring cells producing these ligands. It controls, for instance, NK cells cytotoxicity against tumor cells. Engagement of NCR3 by BAG6 also promotes myeloid dendritic cells (DC) maturation, both through killing DCs that did not acquire a mature phenotype, and inducing the release by NK cells of TNFA and IFNG which promote DC maturation.

Cellular Location
Cell membrane; Single-pass type I membrane protein

Tissue Location
Selectively expressed by all resting and activated NK cells and weakly expressed in spleen. {ECO:0000269|PubMed:10562324, ECO:0000269|Ref.2}

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NCR3 Antibody (Center) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

NCR3 Antibody (Center) Blocking Peptide - Images

NCR3 Antibody (Center) Blocking Peptide - Background

Natural cytotoxicity receptors (NCRs), such as NCR3, are activating natural killer (NK) cell receptors that belong to the immunoglobulin (Ig) superfamily. NCR3 is expressed in all resting and activated NK cells and forms a complex with CD3-zeta.

NCR3 Antibody (Center) Blocking Peptide - References

Barcellos, L.F., et al. PLoS Genet. 5 (10), E1000696 (2009) Balsamo, M., et al. Exp. Hematol. 37(10):1167-1175(2009)Hoechst, B., et al. Hepatology 50(3):799-807(2009)Brandt, C.S., et al. J. Exp. Med. 206(7):1495-1503(2009)Djeu, J.Y., et al. Clin. Cancer Res. 8(3):636-640(2002)Sato, M., et al. Tissue Antigens 58(4):255-258(2001)Sivakamasundari, R., et al. Immunogenetics 51 (8-9), 723-732 (2000)