



20190404BB

Anti-Human NKp46 (#8F24)

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#8F24)
Isotype	IgG2
Purification	Protein G chromatography
Antigen	recombinant human NKp46
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human NKp46.

**AVOID REPEATED FREEZE AND THAW CYCLES!****FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M587
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with extracellular domain of human recombinant protein of NKp46, also called NCR1 (natural cytotoxicity triggering receptor 1).

Target Background

Synonyms (Target):	NCR1; LY94; CD335; NKP46; NK-p46
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NKp30/NCR3, NKp44/NCR2, and NKp46/NCR1 are termed natural cytotoxicity receptors (NCR). These receptors are type I transmembrane proteins with 1-2 extracellular immunoglobulin domains, a transmembrane domain containing a positively charged amino acid residue, and a short cytoplasmic tail. All are expressed almost exclusively by NK cells and play a major role in triggering NK-mediated killing of most tumor cell lines. NKp44 is induced upon activation of resting NK cells with IL-2 and can bind to viral hemagglutinins. NK-mediated dendritic cell (DC) recognition is highly dependent on engagement of NKp30 and may result in lysis of the DC.

Database References Target

Protein RefSeq:	NP_004820.1
Uniprot ID:	O76036
mRNA RefSeq:	NM_004829.6

Applications

The antibody can be used within the following applications:

WB, IHC (F), FC

Recommended usage:

Flow cytometry: 1:50 - 1:100

WB: Use at 1:500-1000

IHC (frozen): 1:20 - 1:100

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!