



Anti-human NKp80/KLRF1 Antibody

ORDERING INFORMATION

Catalog Number: AF1900

Lot Number: KFU01

Size: 100 µg

Formulation: 0.2 µm filtered solution in PBS with 5% trehalose

Storage: -20° C

Reconstitution: sterile PBS

Specificity: human NKp80

Immunogen: NS0-derived rhNKp80 C-terminal extracellular domain (aa 66 - 231)

Ig Type: human NKp80 C-terminal extracellular domain specific sheep IgG

Applications: Direct ELISA
Western blot
Flow cytometry

Preparation

Produced in sheep immunized with purified, NS0-derived, recombinant human NKp80 (rhNKp80) C-terminal extracellular domain. Human NKp80 specific IgG was purified by human NKp80 affinity chromatography. NKp80, also known as killer cell lectin-like receptor subfamily F, member 1 (KLRF1), is a type II transmembrane protein with a C-type lectin domain in its extracellular region. NKp80 is expressed at the cell surface of virtually all NK cells as a dimer of approximately 80 kDa. It has been shown to function as a co-receptor with natural cytotoxicity receptor (NCR) to induce activation of NK-mediated cytotoxicity.

Formulation

Lyophilized from a 0.2 µm filtered solution in phosphate-buffered saline (PBS) with 5% trehalose.

Endotoxin Level

< 0.1 EU per 1 µg of the antibody as determined by the LAL method.

Reconstitution

Reconstitute with sterile PBS. If 0.5 mL of PBS is used, the antibody concentration will be 0.2 mg/mL.

Storage

Lyophilized samples are stable for twelve months from date of receipt when stored at -20° C to -70° C. Upon reconstitution, the antibody can be stored at 2° - 8° C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquotted and stored frozen at -20° C to -70° C **in a manual defrost freezer** for six months without detectable loss of activity. **Avoid repeated freeze-thaw cycles.**

Specificity

This antibody has been selected for its ability to recognize human NKp80 in the applications listed below. In direct ELISAs and western blots, this antibody shows less than 1% cross-reactivity with rhNKp44 and rhNKp30.

Applications

Direct ELISA - This antibody can be used at 0.5 - 1.0 µg/mL with the appropriate secondary reagents to detect human NKp80. The detection limit for rhNKp80 is approximately 1 ng/well.

Western blot - This antibody can be used at 0.1 - 0.2 µg/mL with the appropriate secondary reagents to detect human NKp80. The detection limit for rhNKp80 is approximately 5 ng/lane under non-reducing and reducing conditions.

Flow cytometry - This antibody can be used at 3 - 10 µg/mL/10⁶ cells with an appropriate secondary antibody for indirect immunofluorescence staining of cells by flow cytometry.

Optimal dilutions should be determined by each laboratory for each application.