



Biotinylated Anti-human NKp80/KLRF1 Antibody

ORDERING INFORMATION

Catalog Number: BAF1900

Lot Number: KOI01

Size: 50 µg

Formulation: 0.2 µm filtered solution in PBS with BSA

Storage: -20° C

Reconstitution: sterile 0.1% BSA in TBS

Specificity: human NKp80 C-terminal extracellular domain

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

Ig Type: sheep IgG

Application: Western blot

Preparation

Produced in sheep immunized with purified, NS0-derived, recombinant human NKp80 (rhNKp80; aa 66 - 231) C-terminal extracellular domain. Human NKp80 specific IgG was purified by human NKp80 affinity chromatography and then biotinylated. 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) containing 50 µg of bovine serum albumin (BSA) per 1 µg of antibody.

Reconstitution

Reconstitute with sterile Tris-buffered saline pH 7.3 (20 mM Trizma base, 150 mM NaCl) containing 0.1% BSA. If 1 mL of buffer is used, the antibody concentration will be 50 µg/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 use as a detection antibody in human NKp80 western blots.

Application

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. In this format, this antibody shows less than 2% cross-reactivity with rhNKp30, rhNKp44, rhNKp46 and rmMAR-1.

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