

Human NKp44/NCR2 antibody

Catalog Number: ATGA0322

PRODUCT INFORMATION

Catalog number

ATGA0322

Clone No.

AT1G6

Product type

Monoclonal Antibody

UnitProt No.

O95944

NCBI Accession No.

NP_004819

Alternative Names

Natural cytotoxicity triggering receptor 2 isoform 1, CD336, LY95, NK-p44 NKP44, ANK0501

Additional Information

ANK0501 has been replaced with a catalog number ATGA0322.

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human NKp44 (19-130aa) purified from E. coli

Isotype

IgG2a kappa

Purification Note

By protein-A affinity chromatography

Application

ELISA, WB, ICC/IF, FACS

Usage

The antibody has been tested by ELISA, Western blot, ICC/IF and FACS analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain

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optimal results.

Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

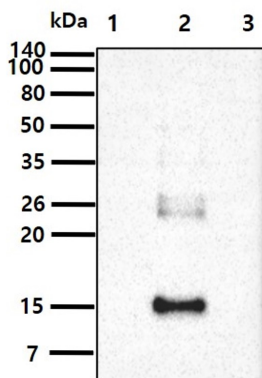
NKp44 (NCR2) is a member of the natural cytotoxicity receptor (NCR) family that is expressed on activated human NK cells. NKp44 displays a single extracellular Ig-like V domain and a transmembrane portion containing the charged residue (Lysine), likely involved in the association with KARAP/DAP12 molecules.

General References

Biassoni. R., et al., (2003) J Cell Mol Med 7: 376-387.
Kerry. S.C., et al., (2004) Journal of Immunology 172: 899-906.

DATA

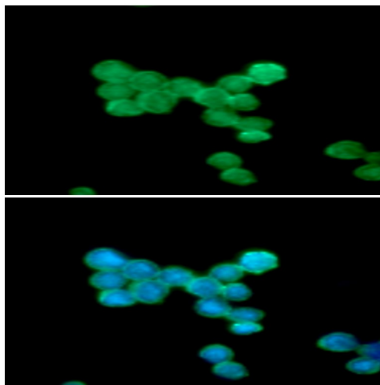
Western blot analysis (WB)



The recombinant proteins (50ng) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NKp44/NCR2 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Recombinant human NKp30 protein
Lane 2.: Recombinant human NKp44 protein
Lane 3.: Recombinant human NKp46 protein

Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of NKp44/NCR2 in Jurkat cells. The cell was stained with ATGA0322 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

Flow cytometry (FACS)

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Flow cytometry analysis of NKp44/NCR2 in Jurkat cells. The cell was stained with ATGA0322 at 2-5ug for 1×10^6 cells (red). A Goat anti mouse IgG (Alexa fluor 488) was used as the secondary antibody. Mouse monoclonal IgG was used as the isotype control (dark gray), cells without incubation with primary and secondary antibody was used as the negative control (light gray).

