

# Human NKp30/NCR3 antibody

Catalog Number: ATGA0508

## PRODUCT INFORMATION

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**Catalog number**

ATGA0508

**Clone No.**

AT38D9

**Product type**

Monoclonal Antibody

**UnitProt No.**

O14931

**NCBI Accession No.**

NP\_001138939

**Alternative Names**

Natural cytotoxicity triggering receptor 3, 1C7, CD337, LY117, MALS, NKp30

## PRODUCT SPECIFICATION

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**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 NCR3 (19-138aa) purified from E. coli

**Isotype**

IgG1 kappa

**Purification Note**

By protein-A affinity chromatography

**Application**

ELISA, WB

**Usage**

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

**Storage**

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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

NCR3, also known as NKP30, is a natural cytotoxicity receptor (NCR) that may aid NK cells in the lysis of tumor cells. The encoded protein interacts with CD3-zeta (CD247), a T-cell receptor. A single nucleotide polymorphism in the 5' untranslated region of this gene has been associated with mild malaria susceptibility. Three transcript variants encoding different isoforms have been found for this gene.

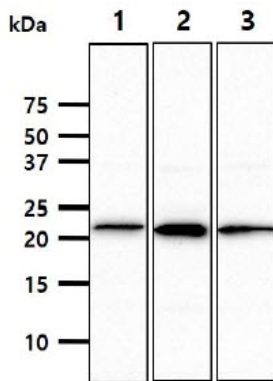
### General References

Venter J.C., et al. (2001) Science. 291:1304-1351.

Gerhard D.S., et al. (2004) Genome Res. 14:2121-2127.

## DATA

### Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NCR3 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: THP-1 cell lysate

Lane 2.: Ramos cell lysate

Lane 3.: TF-1 cell lysate