

bs-23550R**[Primary Antibody]****NCR1 Rabbit pAb**

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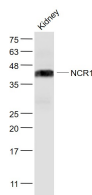
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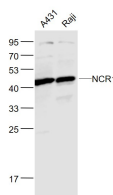
DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 9437**SWISS:** O76036**Target:** NCR1**Immunogen:** KLH conjugated synthetic peptide derived from human NCR1: 1-100/304. < Extracellular >**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

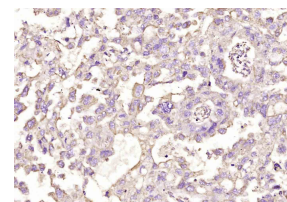
Background: The natural cytotoxicity receptors (NCRs) are a recently characterized family of Ig-like activation receptors that appear to be major triggering receptors in tumor cell recognition. NCR1 is a glycoprotein that has two extracellular Ig-like domains followed by a ~40 amino acid residue stalk region, a type I transmembrane domain, and a short cytoplasmic tail. NCR1 has been shown to represent a novel NK cell-specific molecule involved in human NK cell activation. NCR1 has been implicated in NK cell-mediated lysis of several autologous tumor cells and pathogen-infected cell lines.

Applications: WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (2ug/Test)**Reactivity:** Human, Mouse**Predicted MW.:** 31 kDa**Subcellular Location:** Cell membrane**VALIDATION IMAGES**

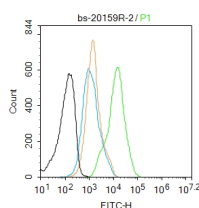
Sample: Kidney (Mouse) Lysate at 40 ug Primary: Anti- NCR1 (bs-23550R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD
Observed band size: 46 kD



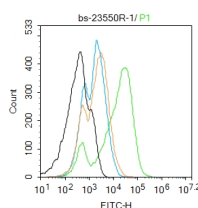
Sample: A431 (Human) Cell Lysate at 30 ug Primary: Anti- NCR1 (bs-23550R) at 1/500 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 31 kD Observed band size: 46 kD



Paraformaldehyde-fixed, paraffin embedded (human skin cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (NCR1) Polyclonal Antibody, Unconjugated (bs-23550R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: Mouse spleen. Primary Antibody (green line): Rabbit Anti-NCR1 antibody (bs-23550R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488



Blank control: Mouse kidney. Primary Antibody (green line): Rabbit Anti-NCR1 antibody (bs-23550R) Dilution: 2µg /10⁶ cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody : Goat anti-rabbit IgG-AF488

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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— SELECTED CITATIONS —

- **[IF=7.658]** Xin Fang. et al. IDO1 can impair NK cells function against non-small cell lung cancer by downregulation of NKG2D Ligand via ADAM10. Pharmacol Res. 2022 Mar;177:106132 IHC ;Mouse. 10.1016/j.phrs.2022.106132
- **[IF=5.6]** Na Qu. et al. Methionine enkephalin inhibited cervical cancer migration as well as invasion and activated CD11b+ NCR1+ NKs of tumor microenvironment. INT IMMUNOPHARMACOL. 2023 Nov;124:110967 IF ;Mouse. 37741126
- **[IF=2.1]** Yating Ge. et al. Development of a Diagnostic Model for Focal Segmental Glomerulosclerosis: Integrating Machine Learning on Activated Pathways and Clinical Validation..Int J Gen Med.2025 Feb 26;18:1127-1142. IHC ;Human. 40026806