bs-0938R **[Primary Antibody]**

NKG2D Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 24934 **SWISS:** O70215

Target: NKG2D

Immunogen: KLH conjugated synthetic peptide derived from rat NKG2D: 121-219/219. < 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: This locus represents naturally occurring read-through transcription between the neighboring KLRC4 (killer cell lectin-like receptor subfamily C, member 4) and KLRK1 (killer cell lectin-like receptor subfamily K, member 1) genes on chromosome 12. The read-through transcript includes an alternate 5' exon and lacks a significant portion of the KLRC4 coding sequence, including the start codon, and it thus encodes the KLRK1 protein. [provided by RefSeq, Dec 2010]

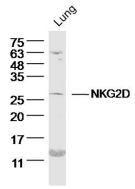
Applications: **WB** (1:500-2000)
Flow-Cyt (2μg/Test)

Reactivity: Human, Mouse (predicted: Rat)

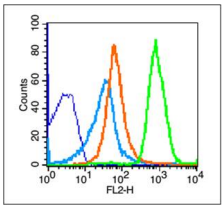
Predicted MW.: 25 kDa

Subcellular Location: Cell membrane

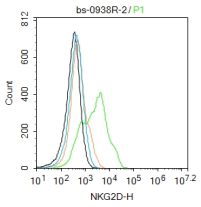
VALIDATION IMAGES



Sample: Lung (Mouse) Lysate at 40 ug Primary: Anti- NKG2D (bs-0938R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 25 kD Observed band size: 26 kD



Blank control (blue line): Mouse thymus cells (blue). Primary Antibody (green line): Rabbit Anti-NKG2D antibody (bs-0938R) Dilution: 1μg /10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-PE Dilution: 1μg /test. Protocol The cells were fixed with 70% methanol (Overnight at 4°C) . Cells stained with Primary Antibody for 30 min at room temperature. The cells were then incubated in 1 X PBS/2%BSA/10% goat serum to block non-specific protein-protein interactions followed by the antibody for 15 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.



Blank control:SW480. Primary Antibody (green line): Rabbit Anti-NKG2D antibody (bs-0938R) Dilution: 2ug/Test; Secondary Antibody : Goat anti-rabbit IgG-FITC Dilution: 0.5ug/Test. Protocol The cells were 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.

SELECTED CITATIONS

- **[IF=16.6]** Wang Zhiren. et al. Sphingomyelin-derived nanovesicles for the delivery of the IDO1 inhibitor epacadostat enhance metastatic and post-surgical melanoma immunotherapy. NAT COMMUN. 2023 Nov;14(1):1-18 IHC ;Mouse. 37945606
- **[IF=15.304]** Yao Lei. et al. Phytochemical natural killer cells reprogram tumor microenvironment for potent

immunotherapy of solid tumors. BIOMATERIALS. 2022 Jun;:121635 WB,IF,FCM ;Mouse. 10.1016/j.biomaterials.2022.121635

- **[IF=13.751]** Young Min Chung. et al. Sensitizing tumors to anti-PD-1 therapy by promoting NK and CD8+ T cells via pharmacological activation of FOXO3. J Immunother Cancer. 2021 Dec;9(12):e002772 IF ;Mouse. 34887262
- **[IF=11.4]** Chen Hsien-Chung. et al. Progesterone boosts abiraterone-driven target and NK cell therapies against glioblastoma. J EXP CLIN CANC RES. 2024 Dec;43(1):1-17 IF ;Mouse. 39103871
- **[IF=6.166]** Young Min Chung. et al. FOXO3-dependent suppression of PD-L1 promotes anticancer immune responses via activation of natural killer cells. Am J Cancer Res. 2022; 12(3): 1241–1263 IF,WB ;Mouse. 35411241