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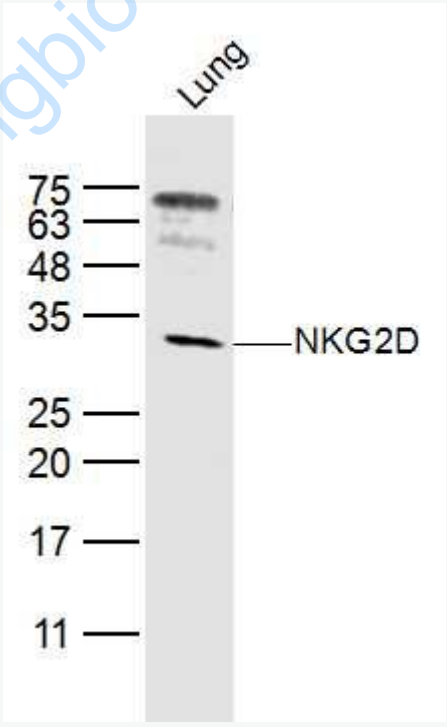
Rabbit Anti-NKG2D antibody

SL20661R

Product Name:	NKG2D
Chinese Name:	NK细胞受体2D抗体
Alias:	KLRK1; natural killer cell group 2D; NKG2-D isoform b; Klrk1; Nkrp2; NKG2-D type II integral membrane protein; NKG2-D-activating NK receptor; NK cell receptor D; Killer cell lectin-like receptor subfamily K; NK lectin-like receptor; CD314; CD 314; CD314 antigen; D12S2489E; Killer cell lectin like receptor subfamily K member 1; Killer cell lectin-like receptor subfamily K member 1; KLR; Klrk1; NKG2 D activating NK receptor; NKG2 D type II integral membrane protein; NKG2-D-activating NK receptor; NKG2D_HUMAN; NKLLR; NKR P2; Nkrp2.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000Flow-Cyt=1ug/Test not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	25kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from mouse NKG2D:1-100/232<Cytoplasmic>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	This locus represents naturally occurring read-through transcription between the

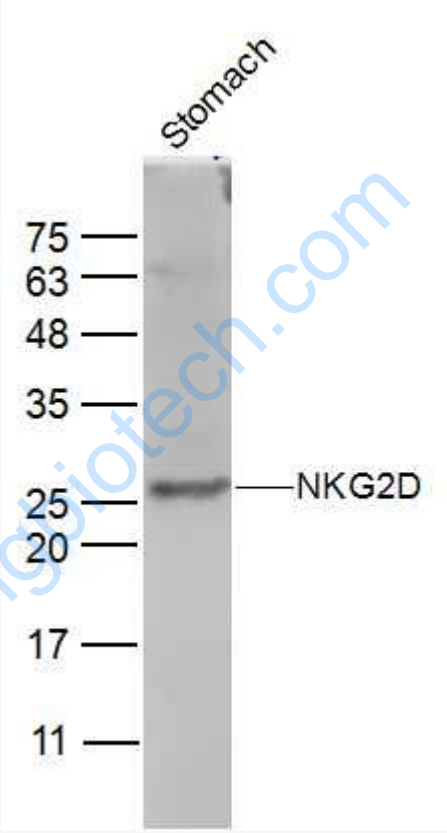
	neighboring KLRC4 (killer cell lectin-like receptor subfamily C, member 4) and KLRK1 (killer cell lectin-like receptor subfamily K, member 1) genes on chromosome 12. The read-through transcript includes an alternate 5' exon and lacks a significant portion of the KLRC4 coding sequence, including the start codon, and it thus encodes the KLRK1 protein. [provided by RefSeq, Dec 2010] **Function:** Receptor for MICA, MICB, ULBP1, ULBP2, ULBP3 (ULBP2>ULBP1>ULBP3) and ULBP4. Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. Involved in the immune surveillance exerted by T- and B-lymphocytes. **Subunit:** Homodimer. **Subcellular Location:** Membrane; Single-pass type II membrane protein. **Tissue Specificity:** Natural killer cells. Expressed on essentially all CD56+CD3- NK cells from freshly isolated PBMC. Also detected in gamma-delta cells and CD8+ alpha-beta T-cells. Expressed in interferon-producing killer dendritic cells (IKDCs). **Similarity:** Contains 1 C-type lectin domain. **SWISS:** P26718 **Gene ID:** 27007 **Database links:** Entrez Gene: 22914Human Entrez Gene: 27007Mouse Entrez Gene: 24934Rat Omim: 611817Human SwissProt: P26718Human SwissProt: O54709Mouse

	SwissProt: O70215Rat Unigene: 387787Human Unigene: 8217Mouse Unigene: 14544Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications. NKG2-D出现在免疫细胞上表达的受体，NKG2D属C型凝集素家族Transmembrane protein，广泛表达在NK细胞、CD8+的αβT细胞和γδT细胞表面，可以提高NK细胞对Tumour细胞的杀伤活性。
Picture:	 Sample: Lung Cell (Mouse) Lysate at 40 ug Primary: Anti-NKG2D (SL20661R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 25 kD

Observed band size: 25 kD



Sample:

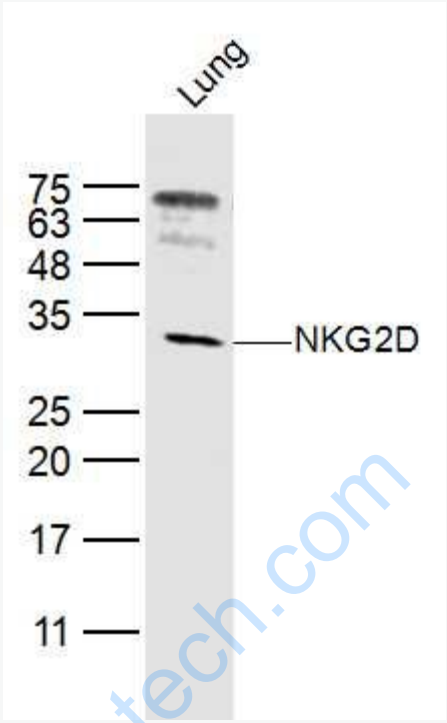
Stomach (Mouse) Lysate at 40 ug

Primary: Anti- NKG2D (SL20661R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 25 kD

Observed band size: 25 kD



Sample:

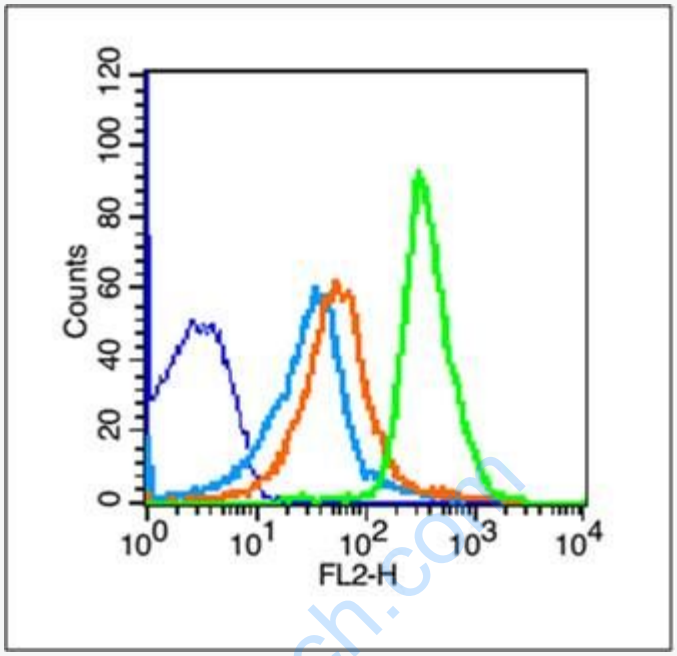
Lung (Mouse) Lysate at 40 ug

Primary: Anti- NKG2D (SL20661R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 25 kD

Observed band size: 25 kD



Blank control (blue line): Mouse thymus cells (fixed with 70% methanol (Overnight at 4℃)).

Primary Antibody (green line): Rabbit Anti-NKG2D antibody (SL20661R),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.