



20150116ML

# Anti-Human NKG2D (#10R27)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M585</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with extracellular domain of human recombinant protein of NKG2D.

## Target Background

<b>Synonyms (Target):</b>	KLRK1; KLR; CD314; NKG2D; NKG2-D; D12S2489E
---------------------------	---

NKG2D is a type II transmembrane protein with an extracellular C-type lectin domain. It occurs as a disulfide-linked homodimer that associates with either the DAP12 or DAP10 transmembrane adapter proteins. NKG2D is expressed on NK cells and some T cell subsets, where it functions as an activating receptor to trigger cytolytic activity and cytokine secretion. Ligands for human NKG2D include MICA, MICB, and ULBP-1, -2, -3, and -4. Mouse NKG2D ligands include H60, MULT-1, and Rae-1 alpha, beta, gamma, delta, and epsilon.

## Database References Target

<b>Protein RefSeq:</b>	NP_031386.2
<b>Uniprot ID:</b>	P26718
<b>mRNA RefSeq:</b>	NM_007360.3

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#10R27)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	recombinant human NKG2D
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody was selected for its ability to specifically detect human NKG2D.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB, FC

### Recommended usage:

WB 1:500 - 1:1000

FC 1:50 - 1:100

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**



# Anti-Human NKG2D (#10R27)

---

## Application/Handling

