



20150217ML

# Anti-Human NKG2A (#8S36)

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

<b>Cat.-no.:</b>	<b>101-M583</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 NKG2A.

## Target Background

<b>Synonyms (Target):</b>	KLRC1; NKG2; NKG2A; CD159A
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NKG2A and NKG2C are type II transmembrane proteins with extracellular C-type lectin domains. These proteins heterodimerize with CD94 to form complexes that recognize HLA-E as ligand. The NKG2A/CD94 complex delivers an inhibitory signal resulting from ITIMs within the NKG2A cytoplasmic domain. NKG2C/CD94 provides an activating signal due to association with the ITAM-containing DAP12 adapter protein. These complexes are expressed on NK and T cell subsets.

## Database References Target

<b>Protein RefSeq:</b>	NP_002250.1
<b>Uniprot ID:</b>	P26715
<b>mRNA RefSeq:</b>	NM_002259.4

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#8S36)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	recombinant human NKG2A
<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 detect human NKG2A.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

WB

**Recommended usage:**

WB: Use at 1:500-1000

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