For Research Use Only

NKG2E Recombinant monoclonal antibody

Catalog Number:87818-1-RR

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Basic Information

Catalog Number:
87818-1-RR

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
EG4703

GenBank Accession Number:
NM_002261.3

GeneID (NCBI):
3823

UNIPROT ID:
Q07444-1

Full Name:
killer cell lectin-like receptor subfamily C, member 3

Calculated MW:
37 kDa

Observed MW:
45-60 kDa

Purification Method:
Protein A purification

CloneNo.:
251269E10

Recommended Dilutions:
WB: 1:1000-1:6000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human

Positive Controls:

WB : Recombinant protein,

Background Information

NKG2E, also known as killer cell lectin-like receptor subfamily C member 3 (KLRC3), is a transmembrane protein primarily expressed on the surface of natural killer (NK) cells and some cytotoxic T-cells. As a member of the NKG2 family, it functions as a receptor for the recognition of non-classical MHC class I molecule HLA-E, playing a role in immune surveillance. Structurally, NKG2E is a type II membrane protein containing a C-type lectin domain in its extracellular region. The immunogenic sequence of NKG2E shares 88% homology with that of NKG2A, leading to cross-reactivity.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
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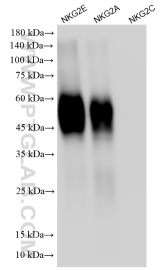
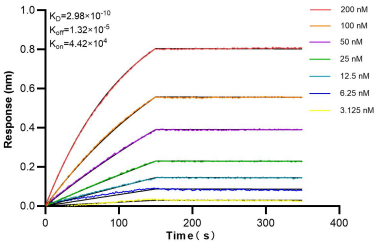
Selected Validation Data



Recombinant protein were subjected to SDS PAGE followed by western blot with 87818-1-RR (NKG2E antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87818-1-RR against Human NKG2E were performed. The affinity constant is 0.298 nM.