

Product datasheet

Anti-NKG2D antibody ab203353

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Overview

Product name	Anti-NKG2D antibody
Description	Rabbit polyclonal to NKG2D
Host species	Rabbit
Tested applications	Suitable for: WB, Flow Cyt, IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Rat NKG2D aa 130-170 conjugated to Keyhole Limpet Haemocyanin (KLH). The exact sequence is proprietary. Sequence: NSSLLKIYSKEEQDFLKLVKSYHWMGLVQSPANGSWQ WEDG Database link: O70215
	Run BLAST with Run BLAST with
Positive control	Human nasopharyngeal carcinoma tissue.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, 0.01% BSA
Purity	Protein A purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab203353** in the following tested applications.

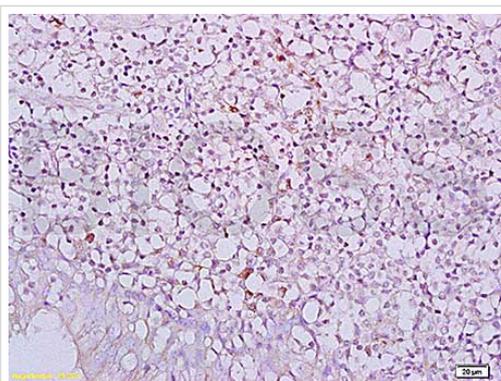
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/100 - 1/1000. Predicted molecular weight: 24 kDa.
Flow Cyt		1/20 - 1/100.
IHC-P		1/100 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. (or 1/50 -1/200 using a fluorescent secondary antibody).

Target

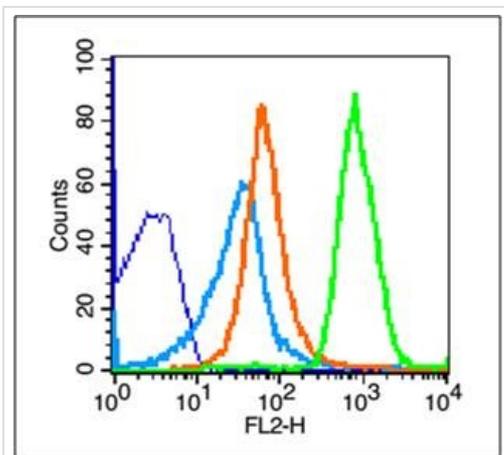
Function	Receptor for MICA, MICB, ULBP1, ULBP2, ULBP3 (ULBP2>ULBP1>ULBP3) and ULBP4. Plays a role as a receptor for the recognition of MHC class I HLA-E molecules by NK cells and some cytotoxic T-cells. Involved in the immune surveillance exerted by T- and B-lymphocytes.
Tissue specificity	Natural killer 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).
Sequence similarities	Contains 1 C-type lectin domain.
Cellular localization	Membrane.

Images



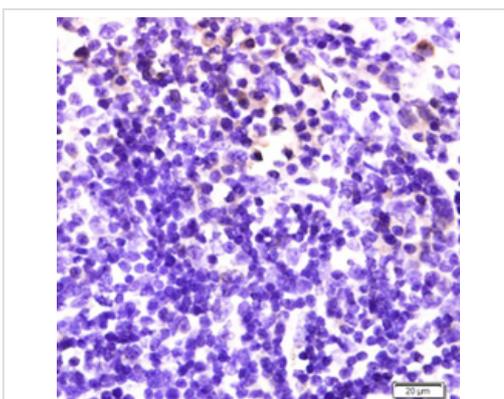
Immunohistochemical analysis of formalin-fixed, paraffin embedded Human nasopharyngeal carcinoma tissue labeling NKG2D with ab203353 at 1/200 dilution, followed by conjugation to the secondary antibody and DAB staining.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NKG2D antibody (ab203353)



Flow Cytometry - Anti-NKG2D antibody (ab203353)

Mouse thymus cells probed with ab203353 (green) at 1:100 dilution for 30 minutes compared to control cells (blue) and isotype control (orange)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NKG2D antibody (ab203353)

ab203353 staining NKG2D in mouse lymph node tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with paraformaldehyde and blocked with 20% serum for 20 minutes at 37°C; antigen retrieval was by heat mediation in a citrate buffer for 15 minutes. Samples were incubated with primary antibody (1/400 in blocking buffer) overnight at 4°C, followed by a conjugated secondary and DAB staining.

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