

ARG63802 anti-CD314 / NKG2D antibody

Package: 100 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CD314 / NKG2D
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat
Tested Application	WB
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CD314 / NKG2D
Species	Human
Immunogen	C-KVYSKEDQDLLK
Conjugation	Un-conjugated
Alternate Names	NKG2-D-activating NK receptor; CD antigen CD314; D6H12S2489E; NK cell receptor D; NKG2-D type II integral membrane protein; NKG2-D; Killer cell lectin-like receptor subfamily K member 1; Nkg2d

Application Instructions

Application table	Application	Dilution
	WB	0.1 - 0.3 µg/ml

Application Note
WB: Recommend incubate at RT for 1h.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links

[GeneID: 22914 Human](#)

[Swiss-port # P26718 Human](#)

Background

Natural killer (NK) cells are lymphocytes that can mediate lysis of certain tumor cells and virus-infected cells without previous activation. They can also regulate specific humoral and cell-mediated immunity. NK cells preferentially express several calcium-dependent (C-type) lectins, which have been implicated in the regulation of NK cell function. The NKG2 gene family is located within the NK complex, a region that contains several C-type lectin genes preferentially expressed in NK cells. This gene encodes a member of the NKG2 family. The encoded transmembrane protein is characterized by a type II membrane orientation (has an extracellular C terminus) and the presence of a C-type lectin domain. It binds to a diverse family of ligands that include MHC class I chain-related A and B proteins and UL-16 binding proteins, where ligand-receptor interactions can result in the activation of NK and T cells. The surface expression of these ligands is important for the recognition of stressed cells by the immune system, and thus this protein and its ligands are therapeutic targets for the treatment of immune diseases and cancers. Read-through transcription exists between this gene and the upstream KLRC4 (killer cell lectin-like receptor subfamily C, member 4) family member in the same cluster. [provided by RefSeq, Dec 2010]

Highlight

Related products:

[NKG2D antibodies](#); [NKG2D ELISA Kits](#); [Anti-Goat IgG secondary antibodies](#);

Related news:

[Time to fight cancer by NK cells](#)

Research Area

Immune System antibody

Calculated Mw

25 kDa

Images



ARG63802 anti-CD314 / NKG2D antibody WB image

Western Blot: human spleen lysate (RIPA buffer, 35 µg total protein per lane) stained with ARG63802 anti-CD314 / NKG2D antibody at 0.3 µg/ml dilution.