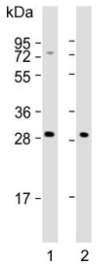
NKG2A Antibody / KLRC1 (F54267)

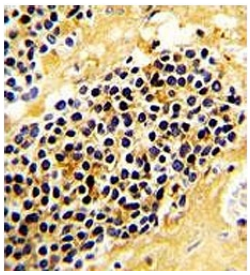
Catalog No.	Formulation	Size
F54267-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54267-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

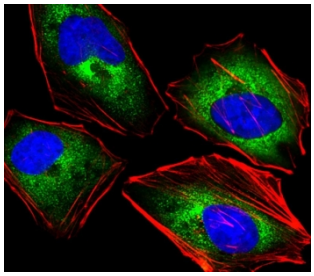
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P26715
Applications	Western blot: 1:500-1:2000 Immunohistochemistry (FFPE): 1:25 Immunofluorescence: 1:25 Flow cytometry: 1:25 (1x10e6 cells)
Limitations	This NKG2A antibody is available for research use only.



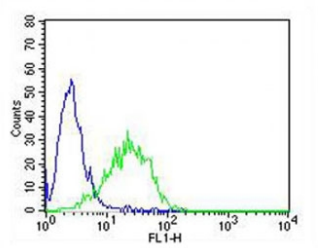
Western blot testing of human 1) K562 and 2) HepG2 cell lysate with NKG2A antibody.
Predicted molecular weight: 26-40 kDa depending on glycosylation level.



IHC testing of FFPE human kidney carcinoma with NKG2A antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of fixed and permeabilized human HeLa cells with NKG2A antibody (green), DAPI nuclear stain (blue) and anti-Actin (red).



Flow cytometry testing of fixed and permeabilized human Jurkat cells with NKG2A antibody; Blue=isotype control, Green= NKG2A antibody.

Description

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. This protein belongs to the killer cell lectin-like receptor family, also called NKG2 family, which is a group of transmembrane proteins preferentially expressed in NK cells. This family of proteins is characterized by the type II membrane orientation and the presence of a C-type lectin domain. This protein forms a complex with another family member, KLRD1/CD94, and has been implicated in the recognition of the MHC class I HLA-E molecules in NK cells.

Application Notes

The stated application concentrations are suggested starting points. Titration of the NKG2A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 180-206 from the human protein were used as the immunogen for the NKG2A antibody.

Storage

Aliquot the NKG2A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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