



# NK CELL

Recombinant Proteins & Monoclonal Antibodies

"에이티젠"이 "엔케이맥스"로 새롭게 시작합니다.

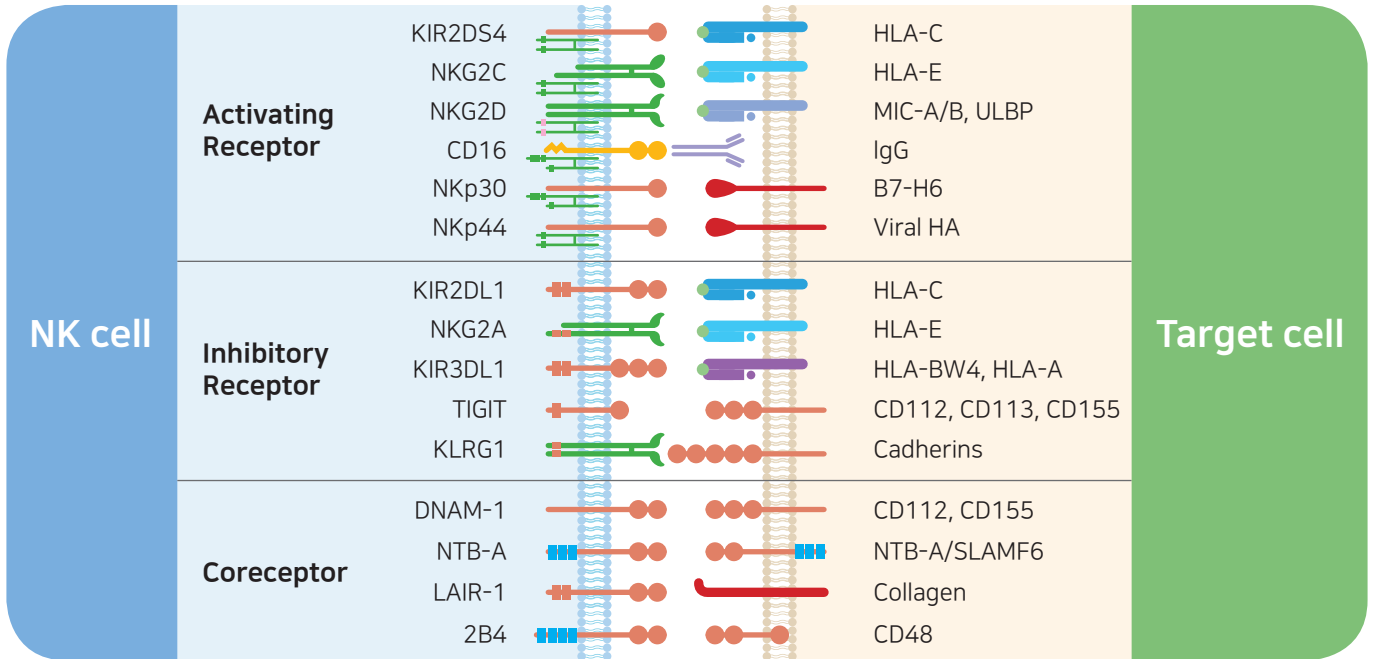


Global NK cell Leader

# Products for NK Cell Surface Receptor

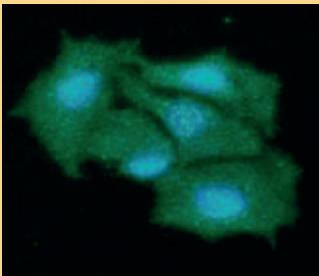
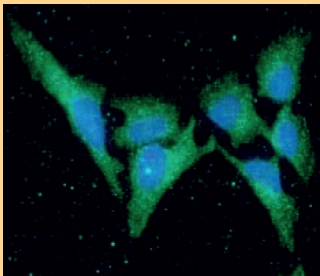
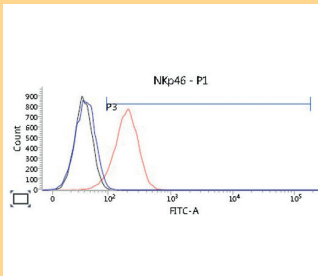
Natural killer cells or NK cells are a type of cytotoxic lymphocyte critical to the innate immune system. NK cell receptors can also be differentiated based on function. Natural killer cell activation is determined by the balance of inhibitory and activating receptor stimulation.

## Key receptors on human NK cells



## Related Monoclonal Antibodies

	Product name	Cat No.	Clone No.	Applications	Isotype	Host
Activating	NKp44	ATGA0322	AT1G6	ELISA, WB, FACS, ICC/IF	IgG <sub>2a, k</sub>	M
	KIR2DS4	AKR0504	5F2	ELISA, WB	IgG <sub>2b, k</sub>	M
	KLRD1	ATGA0487	AT13E3	ELISA, WB, FACS	IgG <sub>1, k</sub>	M
	<b>BEST</b> NKp46	AKR0408	n1D9	ELISA, WB, FACS	IgG <sub>1, k</sub>	M
Inhibitory	<b>BEST</b> KIR2DL1	AKR0620	2F9	ELISA, WB, FACS, ICC/IF	IgG <sub>2a, k</sub>	M
	KIR2DL3	AKR3006	190IIC311	ELISA, WB, ICC/IF	IgG <sub>2a, k</sub>	M
	<b>BEST</b> KIR2DL4	AKR0501	2H6	ELISA, WB	IgG <sub>2b, k</sub>	M

KIR2DL1 antibody(2F9) Cat No. AKR0620	KIR2DL3 antibody(190IIC311) Cat No. AKR3006	NKp46 antibody(n1D9) Cat No. AKR0408
		
<p><b>ICC/IF analysis</b> ICC/IF analysis of KIR2DL1 in Hep3B cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human KIR2DL1 antibody (1:100) with goat anti-mouse IgG-Alexa flour 488 conjugate (Green).</p>	<p><b>ICC/IF analysis</b> ICC/IF analysis of KIR2DL3 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human KIR2DL3 antibody (1:100) with goat anti-mouse IgG-Alexa flour 488 conjugate (Green).</p>	<p><b>Flow Cytometry</b> Flow cytometry analysis of NKp46 in HeLa cell, staining at 2-5µg for 1x10<sup>6</sup> cells (Red) with mouse anti-IgG (Blue), goat anti-mouse IgG-Alexa flour 488. Cells without antibody was used negative control (Black).</p>



## Related Recombinant Proteins

	Product name	Cat No.	Species	Expression system	Tagging	Purity	Endotoxin Test	Ligand
Activating	KIR2DS4	KIR3003	H	<i>E.coli</i>	non	>95%	NA	HLA-C
	NKG2C	ATGP1679(D)	H	<i>E.coli</i>	His	>85%	NA	HLA-E
	NKG2E	ATGP1738(D)	H	<i>E.coli</i>	His	>90%	NA	HLA-E
	CD94(KLRD1)	ATGP3669	H	Baculovirus	His	>95%	P	HLA-E
	BEST NKG2D(CD314)	ATGP1818(D)	H	<i>E.coli</i>	His	>85%	NA	MIC-A/B, ULBP
		ATGP3662	H	Baculovirus	hlgG-His	>95%	P	
	CRTAM	ATGP3216	H	Baculovirus	His	>90%	P	Necl-2
	BEST CD16a	ATGP1623(D)	H	<i>E.coli</i>	His	>90%	NA	IgG
		ATGP3449	H	Baculovirus	His	>95%	P	
	CD16b	ATGP3673	H	Baculovirus	His	>90%	P	IgG
	CD160(BY55)	ATGP3576	H	Baculovirus	His	>90%	P	HLA-C
	BEST CD27(TNFRSF7)	ATGP1710(D)	H	<i>E.coli</i>	His	>90%	NA	CD70
		ATGP3416	H	Baculovirus	hlgG-His	>85%	P	
	NKp30	ATGP2583	H	<i>E.coli</i>	His	>90%	NA	B7-H6
	NKp44	ATGP2499(D)	H	<i>E.coli</i>	His	>80%	NA	Viral HA
	NKp46	NCR3001	H	<i>E.coli</i>	non	>95%	P	Viral HA
ATGP3464		M	Baculovirus	hlgG-His	>85%	P		
SLAMF7	ATGP3258	H	Baculovirus	His	>95%	P	SLAMF7	
BEST CD247(CD3 zeta)	ATGP1872	H	<i>E.coli</i>	His	>85%	NA		
	ATGP3754	H	Baculovirus	His	>90%	P		
DAP10	ATGP3745	H	Baculovirus	hlgG-His	>90%	P		
Inhibitory	KIR2DL1	KIR3001	H	<i>E.coli</i>	non	>95%	NA	HLA-C
	KIR2DL3	KIR3002	H	<i>E.coli</i>	non	>95%	NA	HLA-C
	KIR2DL4	ATGP3639	H	Baculovirus	hlgG-His	>85%	P	HLA-G
	KIR2DL5A	ATGP3623	H	Baculovirus	hlgG-His	>90%	P	Unknown
	KIR3DL1	KIR3004	H	<i>E.coli</i>	His	>90%	NA	HLA-BW4, HLA-A
	KIR3DL2	ATGP3649	H	Baculovirus	hlgG-His	>85%	P	HLA-BW4, HLA-A
	NKG2A	ATGP3608	H	Baculovirus	His	>90%	P	HLA-E
	TIGIT	ATGP3704	H	Baculovirus	hlgG-His	>90%	P	CD112, CD113, CD155
	CD96(TACTILE)	ATGP3617	H	Baculovirus	His	>90%	P	CD155, CD111
	CEACAM-1	ATGP3441	H	Baculovirus	His	>90%	P	CEACAM-1, CEACAM-5
	BEST KLRG1	ATGP1886(D)	H	<i>E.coli</i>	His	>85%	NA	Cadherins
	KLRB1	ATGP1678(D)	H	<i>E.coli</i>	His	>85%	NA	CLEC2D
ATGP3675		H	Baculovirus	hlgG-His	>90%	P		
Coreceptor	BEST DNAM-1(CD226)	ATGP1954(D)	H	<i>E.coli</i>	His	>90%	NA	CD112, CD155
		ATGP3475	H	Baculovirus	hlgG-His	>90%	P	
	2B4(CD244)	ATGP1663(D)	H	<i>E.coli</i>	His	>85%	NA	CD48
		ATGP3552	H	Baculovirus	hlgG-His	>90%	P	
	NTB-A(SLAMF6)	ATGP1813(D)	H	<i>E.coli</i>	His	>85%	NA	NTB-A/SLAMF6
		ATGP3483	H	Baculovirus	His	>95%	P	
	LAIR-1(CD305)	LAR3001	H	<i>E.coli</i>	non	>95%	NA	collagen
		ATGP3446	M	Baculovirus	His	>90%	P	
BEST SIGLEC-3(CD33)	ATGP2584(D)	H	<i>E.coli</i>	His	>90%	NA	sialic acid	
SIGLEC-7	ATGP3637	H	Baculovirus	hlgG-His	>90%	P	sialic acid	
SIGLEC-9	ATGP3622	H	Baculovirus	hlgG-His	>95%	P	sialic acid	

D : Denature form P : Pass NA : Not Analyzed H : Human M : Mouse

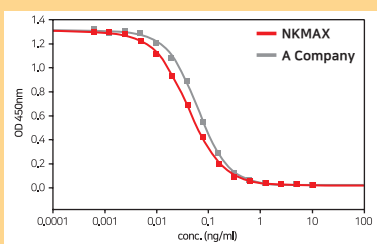
# NK Cell Functional Products

## Related Recombinant Proteins

Product name	Protein Domain	Species	Expression system	Tagging	Purity	Endotoxin Test	Activity	Cat No.
Granzyme B	19-247aa	H	Baculovirus	His	>95%	P	●	ATGP3774
	21-247aa	H	<i>E.coli</i>	His	>85%	NA	NA	ATGP2978(D)
Granzyme H	19-246aa	H	Baculovirus	His	>90%	P	NA	ATGP3370
	20-246aa	H	<i>E.coli</i>	His	>85%	NA	NA	ATGP3040(D)
Granzyme K	27-264aa	H	Baculovirus	His	>95%	P	NA	ATGP3539
	27-264aa	H	<i>E.coli</i>	His	>85%	NA	NA	ATGP2294(D)
<b>BEST</b> IFN-alpha 1	24-189aa	H	<i>E.coli</i>	non	>95%	P	NA	IFN0501
<b>BEST</b> IFN-alpha 2b	24-188aa	H	<i>E.coli</i>	non	>95%	P	NA	IFN0502
<b>BEST</b> IFN-beta 1	22-182aa	M	<i>E.coli</i>	His	>95%	P	NA	ATGP0317
<b>BEST</b> IFN-gamma	24-166aa	H	<i>E.coli</i>	non	>95%	P	●	IFG4001
	24-161aa	H	<i>E.coli</i>	non	>90%	P	●	ATGP2808
	24-161aa	H	<i>E.coli</i>	His	>90%	P	●	ATGP3723
	23-155aa	M	<i>E.coli</i>	His	>90%	NA	NA	ATGP3513
	24-166aa	C	<i>E.coli</i>	His	>95%	P	NA	ATGP3626
	24-166aa	C	<i>E.coli</i>	non	>95%	P	NA	ATGP3453
	24-167aa	F	<i>E.coli</i>	His	>95%	NA	NA	ATGP3505
<b>BEST</b> TNF-alpha	77-233aa	H	<i>E.coli</i>	non	>95%	P	●	TNF0501
	77-233aa	H	Baculovirus	His	>90%	P	●	ATGP3152
	80-235aa	M	<i>E.coli</i>	non	>95%	P	●	ATGP3651
	80-235aa	M	Baculovirus	His	>90%	P	●	ATGP3184
	80-235aa	R	<i>E.coli</i>	His	>90%	P	●	ATGP3736
<b>BEST</b> IL-2	78-234aa	B	<i>E.coli</i>	non	>90%	P	●	ATGP3857
	22-153aa(C145S)	H	<i>E.coli</i>	non	>95%	P	●	ILB0501
	21-169aa(C160S)	M	<i>E.coli</i>	non	>90%	P	●	ATGP2987
	21-155aa	R	<i>E.coli</i>	non	>90%	P	●	ATGP3889
	21-155aa(C147S)	C	<i>E.coli</i>	His	>95%	P	●	ATGP3544
IL-10	21-154aa(C146S)	F	<i>E.coli</i>	His	>95%	P	●	ATGP3611
	19-178aa	H	<i>E.coli</i>	His	>95%	P	NA	ILJ0904
	23-219aa(IL-12 alpha) 23-328aa(IL-12 beta)	H	Baculovirus	His	>90%	P	●	ATGP2843
IL-12	23-215aa(IL-12 alpha) 23-335aa(IL-12 beta)	M	Baculovirus	His	>95%	P	●	ATGP3739
	49-162aa	H	<i>E.coli</i>	His	>95%	P	●	ATGP3844
IL-15	49-162aa	M	<i>E.coli</i>	His	>90%	P	●	ATGP3883
	30-162aa	H	Baculovirus	His	>85%	P	●	ATGP3802
IL-21	30-162aa	H	<i>E.coli</i>	non	>95%	P	●	ATGP3861
	18-144aa	H	<i>E.coli</i>	non	>95%	P	●	MSF0501
<b>BEST</b> GM-CSF	18-141aa	M	<i>E.coli</i>	non	>95%	P	●	MSF0801
	24-99aa	H	<i>E.coli</i>	His	>90%	P	NA	CCL0905
CCL2	24-148aa	M	<i>E.coli</i>	His	>85%	NA	NA	ATGP2074
CCL3	24-92aa	H	<i>E.coli</i>	His	>90%	P	NA	ATGP1019
CCL5	24-91aa	H	<i>E.coli</i>	non	>95%	P	NA	ATGP0374
FCGR3A	18-208aa	H	Baculovirus	His	>95%	P	NA	ATGP3449

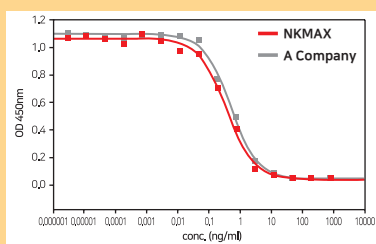
H : Human M : Mouse R : Rat C : Canine F : Feline B : Bovine P : Pass NA : Not Analyzed D : Denature form

Human TNF-alpha Protein  
Cat No. TNF0501



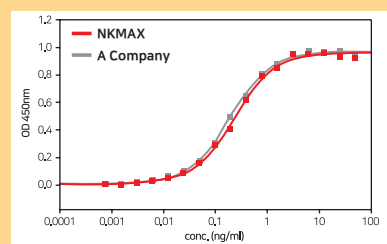
Measured in a cytotoxicity assay using L-929 mouse fibrosarcoma cells in the presence of the metabolic inhibitor actinomycin D.

Human IFN-gamma  
Cat No. IFG4001



Measured in a cytotoxicity assay using WiDr human colon adenocarcinoma cells.

Mouse IL-2 Protein  
Cat No. ATGP2987



Measured in a cell proliferation assay using CTLL-2 mouse T lymphocyte.

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