

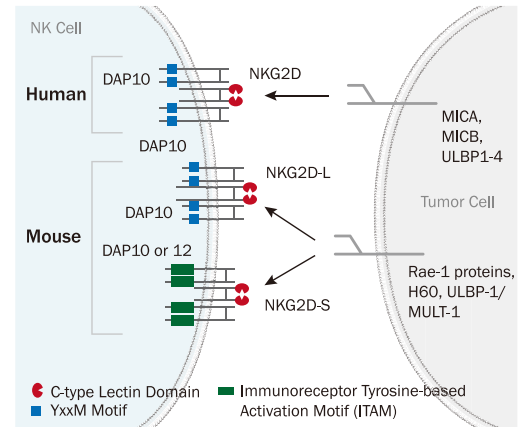
Total Tools For

NK Cell Research

R&D SYSTEMS
a biotechne brand

R&D Systems High-quality Antibodies

- 면역학 제품의 명가, R&D Systems의 Abs
- Fully Characterized Abs
- Quantikine Quality based Abs
- Lyophilized-form으로 안정성 극대화
- NK cell factor Abs 다량 보유



NKG2D & ULBPs
Major receptor vs Cellular stress ligand

01 Antibody for NK Cell

Molecule	Species	Fluorochrome-conjugated Antibodies for Flow Cytometry (Catalog #s)						Unconjugated Antibodies (Applications)
		APC	Fluorescein	PE	PerCP	Alexa Fluor 488	Alexa Fluor 700	
NKG2D	Human	FAB139A		FAB139P	FAB139C	FAB139G	FAB139N	MAB139 (B/N, FA, FC, WB)
	Mouse	FAB1547A	FAB1547F	FAB1547P				MAB1547 (B/N, FC, WB)
H60	Mouse	FAB1155A		FAB1155P		FAB1155G	FAB1155N	MAB1155 (B/N, E, FC, WB)
MICA	Human	FAB1300A		FAB1300P		FAB1300G		MAB1300 (B/N, FC, WB)
MICB	Human	FAB1599A		FAB1599P	FAB1599C	FAB1599G	FAB1599N	MAB1599 (E, FC, WB)
MICA/B	Human	FAB13001A		FAB13001P		FAB13001G	FAB13001N	MAB13001 (B/N, FC, IHC)
Rae-1 Pan	Mouse	FAB17582A	FAB17582F	FAB17582P	FAB17582C		FAB17582N	MAB17582 (FC)
Rae-1 $\alpha/\beta/\gamma$	Mouse	FAB1758A				FAB1758G		MAB1758 (B/N, FC)
Rae-1 ϵ	Mouse	FAB1135A		FAB1135P				MAB1135 (B/N, FC)
ULBP-1	Human	FAB1380A		FAB1380P	FAB1380C	FAB1380G		MAB1380 (B/N, FC)
	Mouse	FAB2588A		FAB2588P	FAB2588C		FAB2588N	MAB2588 (FC)
ULBP-2/5/6	Human	FAB1298A	FAB1298P		FAB1298C			MAB1298 (B/N, FC)
ULBP-3	Human	FAB1517A		FAB1517P				MAB1517 (B/N, FC)
ULBP-4/RAET1E	Human	FAB6285A		FAB6285P				MAB6285 (FC, IHC, WB)



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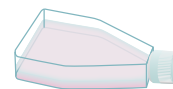
02 Culture & Isolation tools

Culture Product		
Name	Cat #	제조사
MagCelect NK Cell Isolation Kit	MAGH109	R&D
CellXvivo Human NK Cell Expansion Kit	CDK015	R&D
ExCelerate Human NK Cell Expansion Media	CCM032	R&D
Cloudz Human NK Cell Expansion Kit	CLD004	R&D

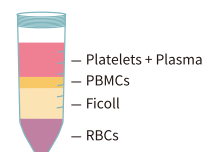
Cytokine		Prodot	
Name	Cat #	제조사	Cat #
IL-2	202-IL	R&D	PRD202-GMP
IL-12	219-IL	R&D	
IL-15	247-ILB	R&D	PRD247-GMP
IL-18	9124-IL	R&D	
IL-21	8879-IL	R&D	



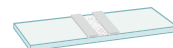
Coat 75 cm² flask with NK Cell Expander 1 (1X).



Isolate PBMCs from human blood.

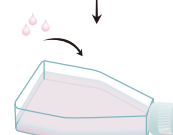


Perform a cell count.



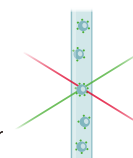
Suspend 1×10^6 PBMCs/mL in Human NK Cell Expansion Media.

Culture the cells in the pre-coated 75 cm² flask for a total of 14 days.



Verify expanded NK cells by analyzing NK cell marker expression via flow cytometry (**optional**).

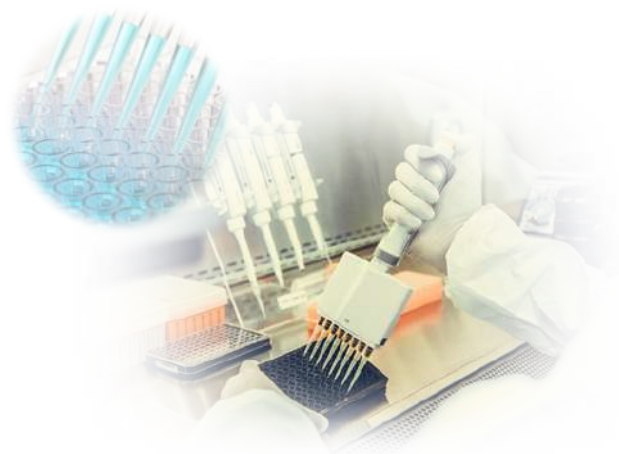
NK cells are ready to be used for downstream applications.



03 Analysis tools

Molecule	Quantikine ELISA	DuoSet ELISA	ELISpot
IFN-gamma	○	○	○
TNF-alpha	○	○	○
IL-5	○	○	
IL-10	○	○	○
IL-13	○	○	
TGF-beta	○	○	
IL-6	○	○	
GM-CSF	○	○	○
Granzyme B		○	○

Proteome profiler (Antibody Array)	
Name	Cat #
Proteome Profiler Human Phospho-Immunoreceptor Array Kit	ARY004B
Proteome Profiler Human XL Cytokine Array Kit	ARY022B
Proteome Profiler Human XL Oncology Array	ARY026
Proteome Profiler Human Angiogenesis Array Kit	ARY007
Proteome Profiler Human Chemokine Array Kit	ARY017



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