

Anti-NKP30 hIgG1 Antibody(BGA-1833)

Product information

GM-49311AB-10	10 µg
GM-49311AB-100	100 µg
GM-49311AB-1000	1 mg

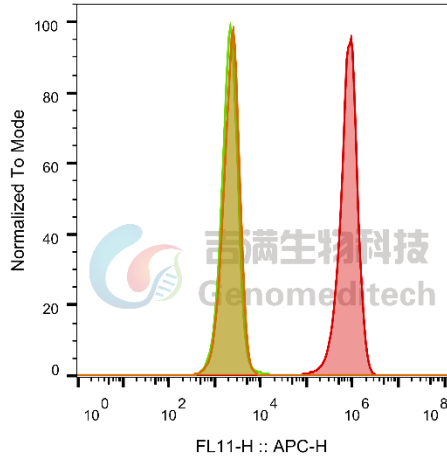
Antibody Information

Species Reactivity	Human; Cynomolgus
Clone	NKP30
Source/Isotype	Monoclonal human IgG1, κ
Application	Flow cytometry
Specificity	Detects NKP30
Gene	NKP30
Other Names	1C7, CD337, LY117, MALS, NKCR3
Gene ID	259197(human); 102133932(Cynomolgus);
Background	NKP30 is a natural killer cell receptor, belonging to the NCR family. It plays a crucial role in natural killer cells (NK cells) by interacting with ligands on the surface of tumor cells, participating in the regulation of NK cell activation and cytotoxicity. Research on NKP30 can help us gain a deeper understanding of the immune regulation mechanisms of NK cells and their potential applications in tumor immunotherapy. In cancer immunotherapy research, the activation of NKP30 can enhance the killing of tumor cells by NK cells, making it a promising target for future cancer treatments.
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Flow cytometry

H_NKP30 HEK-293 Cell Line (Catalog # GM-C30360) was stained with Anti-NKP30 hlgG1 Antibody(BGA-1833) (Catalog # GM-49311AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

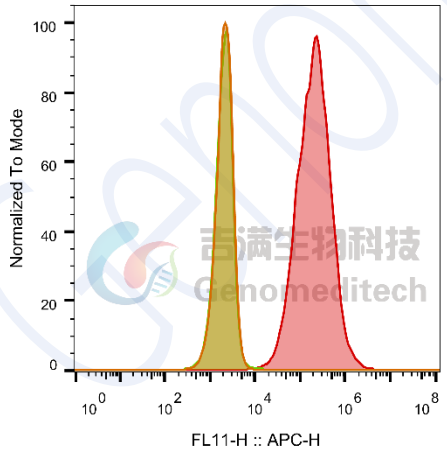


SampleID	Geometric Mean : FL11-H
HEK-293 anti-NKP30+APC-2nd Ab	2287
HEK-293 H_NKP30 H_IgG+APC-2nd Ab	2145
HEK-293 H_NKP30 anti-NKP30+APC-2nd Ab	7.81E5

Fig. FACS

Flow cytometry

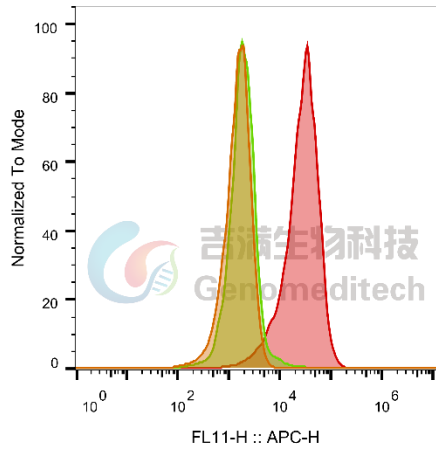
Cynomolgus_NKP30 CHO-K1 Cell Line(Catalog # GM-C33009) was stained with Anti-NKP30 hlgG1 Antibody(BGA-1833) (Catalog # GM-49311AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : FL11-H
CHO-K1 anti-NKP30+APC-2nd Ab	2102
CHO-K1 Cyno_NKP30 H_IgG+APC-2nd Ab	2075
CHO-K1 Cyno_NKP30 anti-NKP30+APC-2nd Ab	196894

Fig. FACS

Flow cytometry



SampleID	Geometric Mean : FL11-H
Jukat anti-NKp30+APC-2nd Ab	1417
H_NKp30 reporter Jukat H_IgG+APC-2nd Ab	1822
H_NKp30 reporter Jukat anti-NKp30+APC-2nd Ab	25745

Fig. FACS

Activation assay

Serial dilutions of Anti-NKP30 hIgG1 Antibody(BGA-1833) (Catalog # GM-49311AB) or isotype control antibody were added into H_NKp30 Reporter Jurkat Cell Line(Catalog # GM-C29776). EC50 for this effect was 1.054 $\mu\text{g}/\text{mL}$.

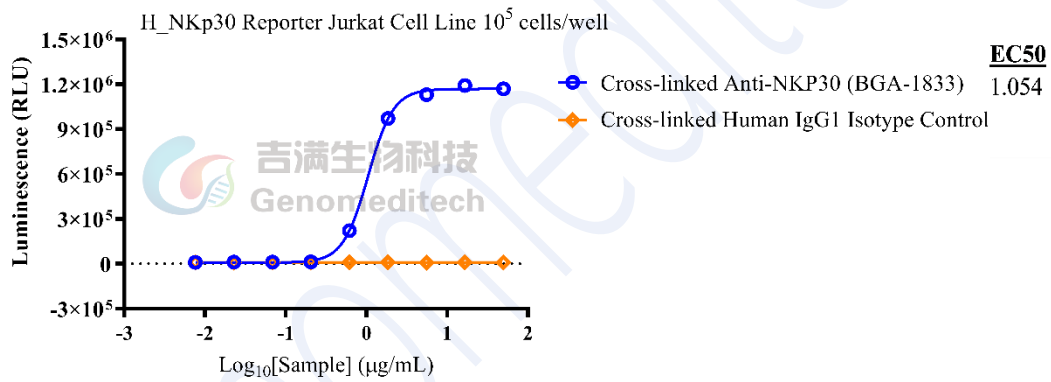


Fig. assay