

Anti-H_4-1BB hIgG2 Antibody(Utomilumab)

Product information

GM-26840AB-10	10 µg
GM-26840AB-100	100 µg
GM-26840AB-1000	1 mg

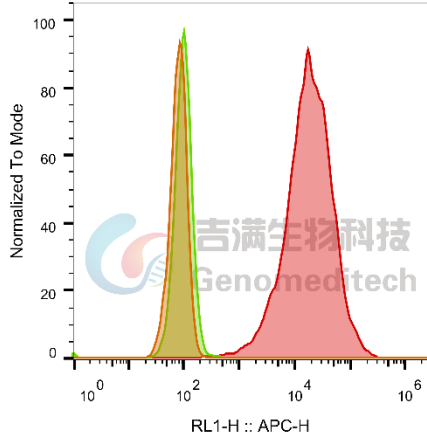
Antibody Information

Species Reactivity	Human;
Clone	Utomilumab
Source/Isotype	Monoclonal human IgG2, λ
Application	Flow cytometry
Specificity	Detects 4-1BB
Gene	4-1BB
Other Names	4-1BB, CD137, CDw137, ILA, IMD109
Gene ID	3604(human), 102127961(cynomolgus)
Background	TNFRSF9 is a member of the tumor necrosis factor receptor superfamily. It is also called 4-1BB or CD137. 4-1BB/CD137/TNFRSF9 is expressed in activated CD4+ and CD8+ T cells, natural killer cells and dendritic cells. The ligand 4-1BBL/CD137L/TNFSF9 on antigen presenting cells binds to 4-1BB/CD137/TNFRSF9 and costimulates the activation of T cells. The binding of agonistic antibodies to 4-1BB/CD137/TNFRSF9 also leads to costimulation for T cell activation. Studies have shown the effectiveness of targeting 4-1BB/CD137/TNFRSF9 by its agonistic antibodies in cancer immunotherapy.
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_TNFRSF9(4-1BB) CHO-K1 Cell Line (Catalog # GM-C05171) was stained with Anti-H_4-1BB hlgG2 Antibody (Catalog # GM-26840AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

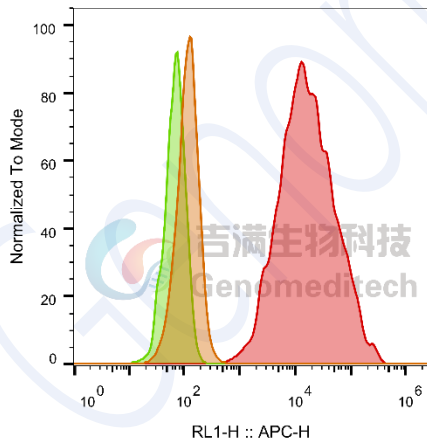


SampleID	Geometric Mean : RL1-H
CHO-K1 anti-4-1BB+APC-2nd Ab	80.1
CHO-K1 H_TNFRSF9(4-1BB) H_IgG+APC-2nd Ab	97.0
CHO-K1 H_TNFRSF9(4-1BB) anti-4-1BB+APC-2nd Ab	17379

Fig. FACS

Flow cytometry

Cynomolgus_TNFRSF9(4-1BB) CHO-K1 Cell Line (Catalog # GM-C09585) was stained with Anti-H_4-1BB hlgG2 Antibody (Catalog # GM-26840AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_4-1BB+APC-2nd Ab	116
CHO-K1 Cyno_TNFRSF9 H_IgG+APC-2nd Ab	68.5
CHO-K1 Cyno_TNFRSF9 anti-H_4-1BB+APC-2nd Ab	16005

Fig. FACS