Genomeditech (Shanghai) Co.,Ltd.
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Anti-H_ERBB3(HER3) hIgG1 Antibody (Barecetamab)

Product information

GM-28858AB-10	10 μg
GM-28858AB-100	100 μg
GM-28858AB-1000	1 mg

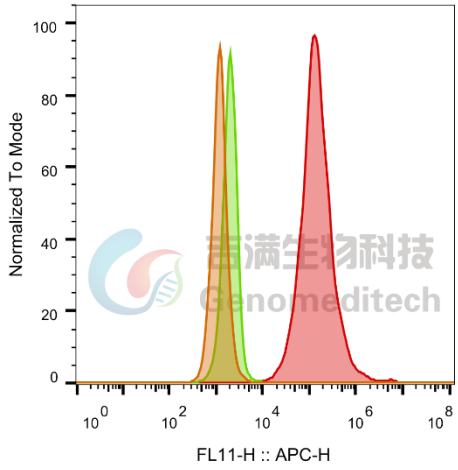
Antibody Information

Species Reactivity	Human; Mouse; Cynomolgus
Clone	Barecetamab
Source/Isotype	Monoclonal human IgG1/λ
Application	Flow cytometry; Bioactivity-ELISA
Specificity	Detects ERBB3
Gene	ERBB3
Other Names	ErbB-3, FERLK, LCCS2, MDA-BF-1, VSCN1, c-erbB-3, c-erbB3, erbB3-S, p180-ErbB3, p45-sErbB3, p85-sErbB3
Gene ID	2065(human), 13867(mouse), 102115998(cynomolgus)
Background	Receptor tyrosine-protein kinase erbB-3, also known as HER3 (human epidermal growth factor receptor 3), is a membrane bound protein that in humans is encoded by the ERBB3 gene. During human development, ERBB3 is expressed in skin, bone, muscle, nervous system, heart, lungs, and intestinal epithelium.ERBB3 is expressed in normal adult human gastrointestinal tract, reproductive system, skin, nervous system, urinary tract, and endocrine system. ErbB3 is associated with targeted therapeutic resistance in numerous cancers including resistance to: HER2 inhibitors in HER2+ breast cancers; anti-estrogen therapy in ER+ breast cancers; EGFR inhibitors in lung and head and neck cancers; hormones in prostate cancers IGF1R inhibitors in hepatomas; BRAF inhibitors in melanoma. ErbB2 overexpression may promote the formation of active heterodimers with ErbB3 and other ErbB family members without the need for ligand binding, resulting in weak but constitutive signaling activity.
Storage	Store at 2-8℃ short term (1-2 weeks).Store at ≤ -20℃ 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_ERBB3(HER3) CHO-K1 Cell Line (Catalog # GM-C12969) was stained with Anti-H_ERBB3(HER3) hIgG1 Antibody (Catalog # GM-28858AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.

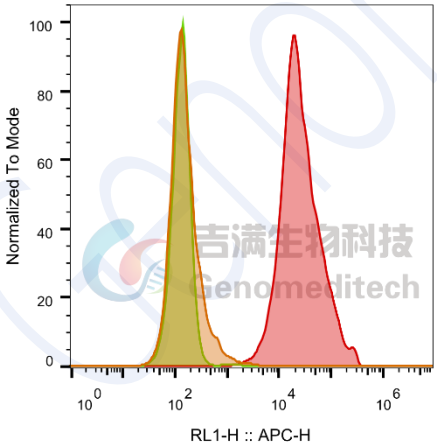


	SampleID	Geometric Mean : FL11-H
	CHO-K1 anti-HER3+APC-2nd Ab	1209
	CHO-K1 H_HER3 H_IgG+APC-2nd Ab	2007
	CHO-K1 H_HER3 anti-HER3+APC-2nd Ab	143220

Fig. FACS

Flow cytometry

Mouse _HER3(ERBB3) CHO-K1 Cell Line(Catalog # GM-C23923) Was stained with Anti-H_ERBB3(HER3) hIgG1 Antibody (Catalog # GM-28858AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



	SampleID	Geometric Mean : RL1-H
	CHO-K1 anti-ERBB3+APC-2nd Ab	160
	CHO-K1 Mouse_ERBB3 H_IgG+APC-2nd Ab	136
	CHO-K1 Mouse_ERBB3 anti-ERBB3+APC-2nd Ab	24964

Fig. FACS

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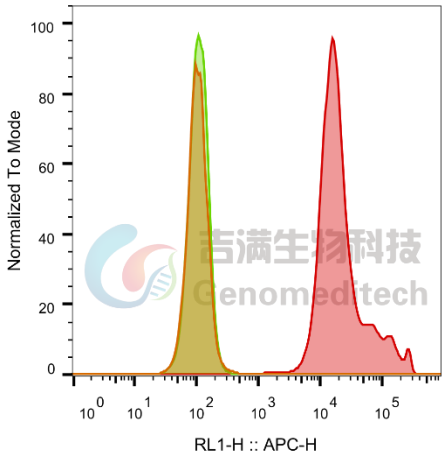
Flow cytometry

Cynomolgus_ERBB3(HER3) CHO-K1 Cell Line(Catalog # GM- GM-C21326) was stained with Anti-H_ERBB3(HER3) hIgG1 Antibody (Catalog # GM-28858AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_HER3+APC-2nd Ab	104
CHO-K1 Cyno_HER3 H_IgG+APC-2nd Ab	108
CHO-K1 Cyno_HER3 anti-H_HER3+APC-2nd Ab	20397

Fig. FACS

Bioactivity-ELISA

Biotinylated Human HER3 Protein; His-Avi Tag (Catalog # GM-87576RP) was immobilized at 1 μg/ml (100 μL/well) on streptavidin precoated. Increasing concentrations of Anti-H_ERBB3(HER3) hIgG1 Antibody (Barecetamab) (Catalog # GM-28858AB) were added.

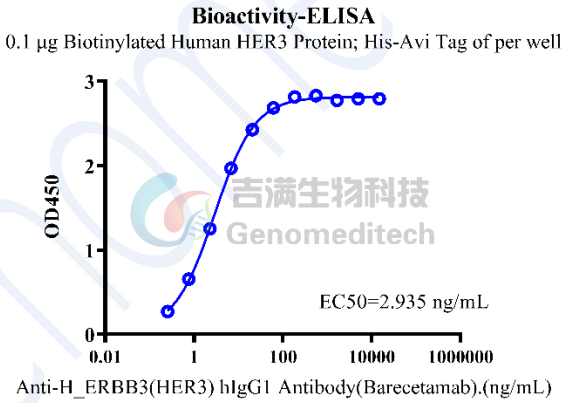


Fig . assay

Bioactivity-ELISA	Mouse HER3 Protein; His Tag (Catalog # GM-87580RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-H_ERBB3(HER3) hIgG1 Antibody (Barecetamab) (Catalog # GM-28858AB) were added.

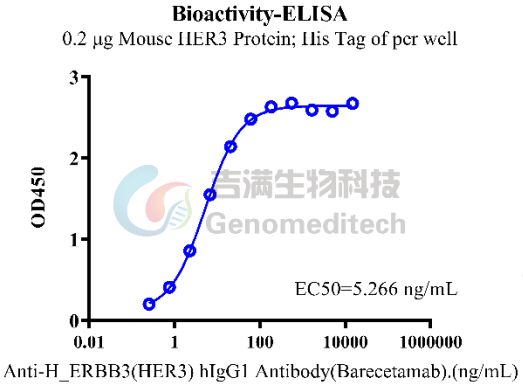


Fig 6. assay