Anti-H_ERBB3(HER3) hIgG1 Antibody(Barecetamab)

Product information

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

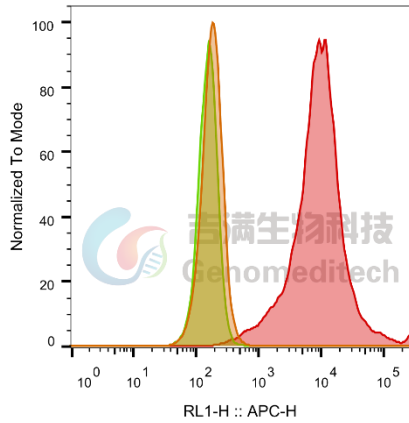## Antibody Information

Species Reactivity	Human; Mouse; Cynomolgus
Clone	Barecetamab
Source/Isotype	Monoclonal human IgG1/λ
Application	Flow cytometry
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

Version:3.1 Revision Date:12/25/2023

Data Examples

Flow cytometry   The recommended usage range is 0.5-4 µg per test. 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.
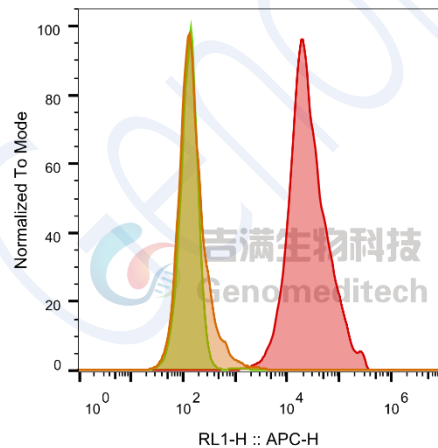

SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_HER3+APC-2nd Ab	179
CHO-K1 H_HER3 H_IgG+APC-2nd Ab	155
CHO-K1 H_HER3 anti-H_HER3+APC-2nd Ab	8467

Fig. FACS

Flow cytometry   The recommended usage range is 0.5-4 µg per test. 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

Flow cytometry   The recommended usage range is 0.5-4 µg per test. 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.
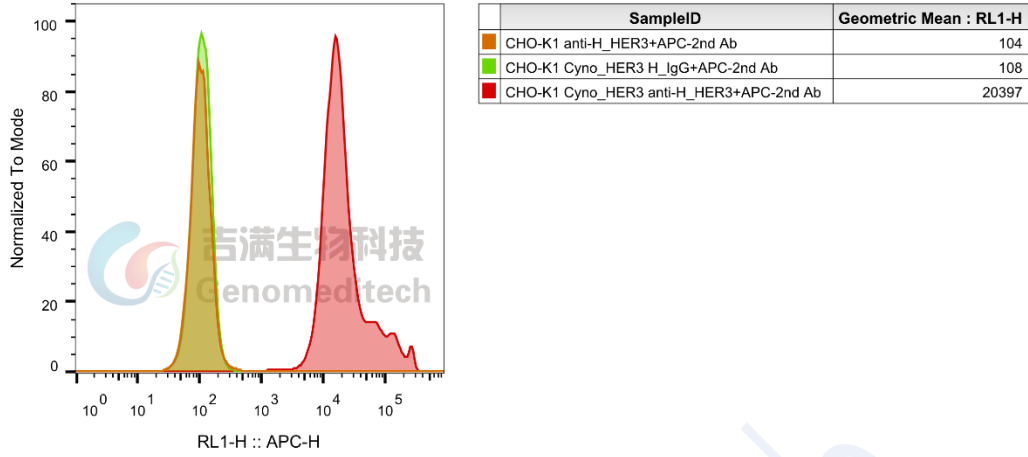
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	SampleID	Geometric Mean : RL1-H
■	CHO-K1 anti-H_HER3+APC-2nd Ab	104
■	CHO-K1 Cyno_HER3 H_IgG+APC-2nd Ab	108
■	CHO-K1 Cyno_HER3 anti-H_HER3+APC-2nd Ab	20397

Fig. FACS