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Anti-H_HGFR(Met) hIgG4 Antibody(Emibetuzumab)

Product Information

GM-28859AB-10	10 μg
GM-28859AB-100	100 μg
GM-28859AB-1000	1 mg

Antibody Information

Species Reactivity	Human; Cynomolgus
Clone	Emibetuzumab
Source/Isotype	Monoclonal human IgG4, κ
Application	Flow cytometry
Specificity	Detects MET
Gene	HGFR(Met)
Other Names	AUTS9; RCCP2; c-Met; DFNB97
Gene ID	4233(human), 102123512(cynomolgus)
Background	c-Met, also called tyrosine-protein kinase Met or hepatocyte growth factor receptor (HGFR), is a protein that in humans is encoded by the MET gene. The protein possesses tyrosine kinase activity. The primary single chain precursor protein is post-translationally cleaved to produce the alpha and beta subunits, which are disulfide linked to form the mature receptor. MET is a single pass tyrosine kinase receptor essential for embryonic development, organogenesis and wound healing. Abnormal MET activation in cancer correlates with poor prognosis, where aberrantly active MET triggers tumor growth, formation of new blood vessels (angiogenesis) that supply the tumor with nutrients, and cancer spread to other organs (metastasis). MET is deregulated in many types of human malignancies, including cancers of kidney, liver, stomach, breast, and brain. Normally, only stem cells and progenitor cells express MET, which allows these cells to grow invasively in order to generate new tissues in an embryo or regenerate damaged tissues in an adult. However, cancer stem cells are thought to hijack the ability of normal stem cells to express MET, and thus become the cause of cancer persistence and spread to other sites in the body. Both the overexpression of Met/HGFR, as well as its autocrine activation by co-expression of its hepatocyte growth factor ligand, have been implicated in oncogenesis.
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.

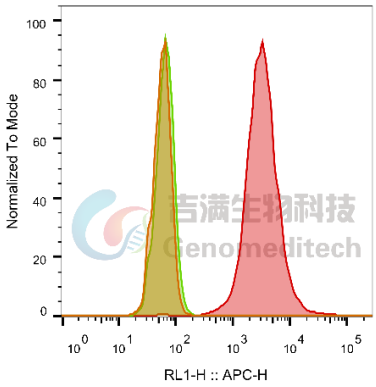
Version:3.1 Revision Date:12/25/2023

Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Flow cytometry

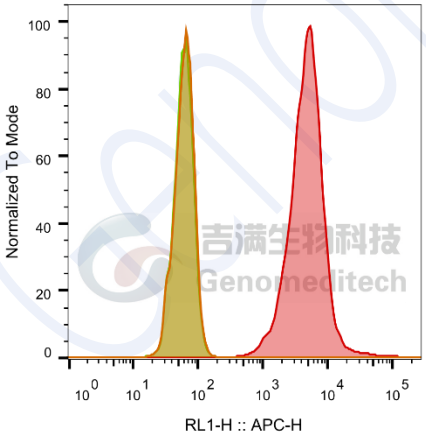
H_cMET CHO-K1 Cell Line (Catalog # GM-C19962) was stained with Anti-H_HGFR(Met) hIgG4 Antibody (Catalog # GM-28859AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_HGFR(Met)+APC-2nd Ab	58.2
CHO-K1 H_cMET H_IgG+APC-2nd Ab	64.9
CHO-K1 H_cMET anti-H_HGFR(Met)+APC-2nd Ab	3180

Flow cytometry

Cynomolgus_cMET CHO-K1 Cell Line (Catalog # GM-C21328) was stained with Anti-H_HGFR(Met) hIgG4 Antibody (Catalog # GM-28859AB) or isotype control antibody, followed by anti-Human IgG APC-conjugated Secondary Antibody.



SampleID	Geometric Mean : RL1-H
CHO-K1 anti-H_HGFR(Met)+APC-2nd Ab	61.5
CHO-K1 Cyno_cMET H_IgG+APC-2nd	60.6
CHO-K1 Cyno_cMET anti-H_HGFR(MET)+APC-2nd Ab	4643

Fig. 流式验证结果