

Anti-ADAM9 mIgG2a Antibody(hMAB-A(2I.2))

Product information

GM-47281AB-10	10 µg
GM-47281AB-100	100 µg
GM-47281AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	hMAB-A(2I.2)
Source/Isotype	Mouse IgG2a, Kappa
Application	Flow cytometry
Specificity	Detects ADAM9
Gene	ADAM9
Other Names	KIAA0021, MCMP, MDC9, MLTNG
Gene ID	8754 (Human)
Background	Adam9(a Disintegrin and Metalloprotease 9) , a multifunctional transmembrane protein in the Adam family, is localized on the human genome 8p11.22, encoding a multidomain type I transmembrane protein, which is a key component of the Adam family, it is widely expressed in monocytes, macrophages and a variety of tumor cells, but limited in normal tissues. Adam9 Cleaves Tek, KDR and other proteins through its metalloproteinase domain, and participates in tumorigenesis and angiogenesis. At the same time, Adam9 regulates cell movement through integrin interaction, affecting cell adhesion, migration and signal transduction. In addition, Adam9 may also act as an α -secretase of amyloid precursor protein, be associated with neurodegeneration diseases, and mediate cell adhesion through non-protease-dependent functions to promote cancer metastasis. ADAM9 is overexpressed in a variety of cancers, such as non-small-cell lung carcinoma, pancreatic cancer, gastric cancer and breast cancer, and is closely related to tumor invasiveness, poor prognosis and drug resistance, based on its key role in tumor initiation, progression and drug resistance.
Storage	Store at 2-8°C short term (1-2 weeks).Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Version:3.1

Data Examples

Flow cytometry

H_ADAM9 CHO-K1 Cell Line (Catalog # GM-C19655) was stained with Anti-ADAM9 mIgG2a Antibody(hMAB-A(21.2)) (Catalog # GM-47281AB) or isotype control antibody, followed by anti-Mouse IgG APC-conjugated Secondary Antibody.

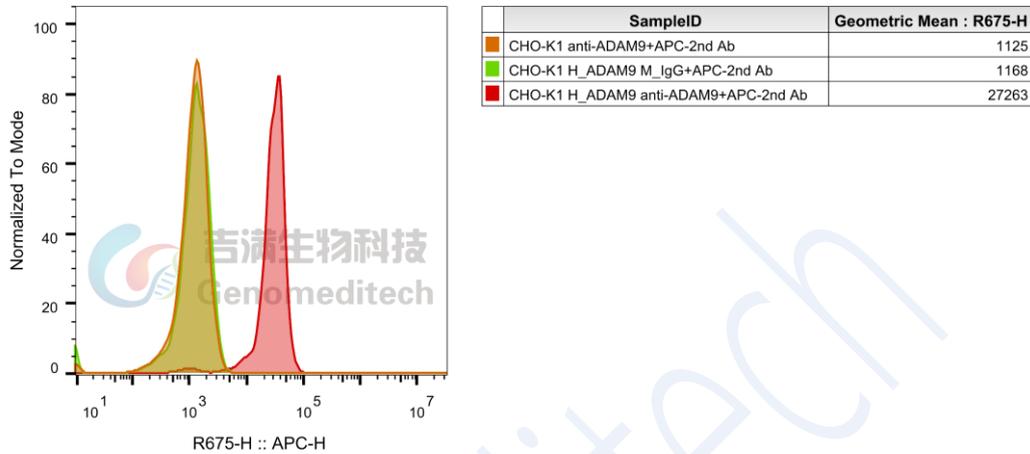


Fig. FACS