

Anti-INHBA hlgG4 Antibody (garetosmab)

Product information

GM-88647AB-10	10 µg
GM-88647AB-100	100 µg
GM-88647AB-1000	1 mg

Antibody Information

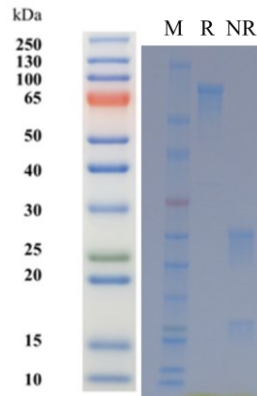
Species Reactivity	Human
Clone	garetosmab
Source/Isotype	Human IgG4(S228P), Kappa
Application	/
Target	Detects INHBA
Gene	INHBA
Other Names	EDF, FRP, Activin A
Gene ID	3624 (Human)
Background	<p>As a member of the TGF-β superfamily, the INHBA gene (inhibin BA) encodes the BA subunit of active protein A, which plays a central role in non-tumor physiological and pathological processes through multidimensional pathways. In the regulation of the reproductive system, its product inhibin B ($\alpha\beta$a dimer) is a key endocrine marker: secreted by the granulosa cells of small and medium-sized follicles in women, reflecting follicular reserve function, and the role of Inhibin B in the regulation of the reproductive system, in vitro production of inhibin B ($\alpha\beta$a dimer) for assessment of ovarian reserve and prediction of the role of assisted reproductive technology (ART). In terms of metabolic regulation, INHBA mediates mitochondrial succinate efflux and cytosolic GSH transport through SLC25A10 to maintain redox homeostasis, and its cytoskeleton protein function can block TRIM21-mediated degradation of SLC25A10 ubiquitination, which may provide a theoretical basis for the further study of INHBA, effects on energy metabolism and cell survival. In terms of immune tolerance regulation, although it has no direct relevance to tumors, it is involved in local immune tolerance regulation through active protein A in the reproductive microenvironment, and it is also involved in the regulation of immune tolerance, such as inhibiting macrophage hyperactivation and maintaining immune homeostasis in reproductive tissues.</p>
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	Supplied as a 0.2 µm filtered solution of PBS, pH7.2-7.4.

Version:3.1

Endotoxin

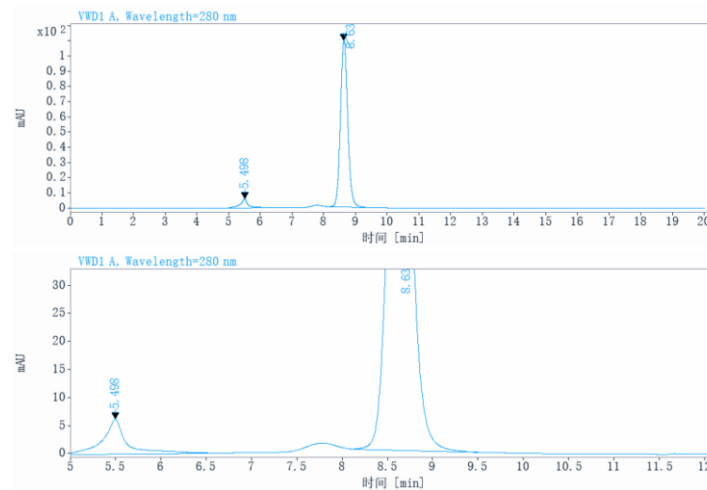
< 1 EU/mg, determined by LAL gel clotting assay

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-HPLC



The purity of this product is more than 90% verified by SEC-HPLC.