

Anti-APRIL hIgG2 Antibody(sibeprenlimab)

Product information

GM-87877AB-10	10 µg
GM-87877AB-100	100 µg
GM-87877AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	sibeprenlimab
Source/Isotype	Human IgG2, kappa
Application	Bioactivity-ELISA
Target	Detects APRIL
Gene	APRIL
Other Names	TNFSF13,TALL-2,TRDL-1,CD256,TALL2,ZTNF2
Gene ID	8741 (Human)
Background	<p>APRIL is a type II TNF superfamily membrane protein encoded by TNFSF13 (also TNFSF13A). It is expressed in various immune and some non-hematopoietic cells. It exists in membrane-bound and soluble forms (soluble via shedding). APRIL promotes B cell survival, maturation, differentiation, and immunoglobulin production; its dysregulation is linked to autoimmunity and certain hematologic cancers.</p> <p>APRIL binds primarily to TAC1 and BCMA receptors, activating canonical and noncanonical NF-κB and MAPK pathways. This upregulates anti-apoptotic genes (e.g., BCL2 family) and plasma cell differentiation factors, supporting long-lasting humoral responses. APRIL can cooperate with BAFF to modulate signaling. Dysregulated APRIL–receptor signaling is associated with autoimmunity, making it a therapeutic target in diseases like SLE and monoclonal gammopathies.</p>
Storage	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH7.2-7.4.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

Data Examples

Bioactivity-ELISA

Human APRIL Protein; hFc Tag (Catalog # GM-87743RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-APRIL hIgG2 Antibody (sibeprenlimab) (Catalog # GM-87877AB) were added.

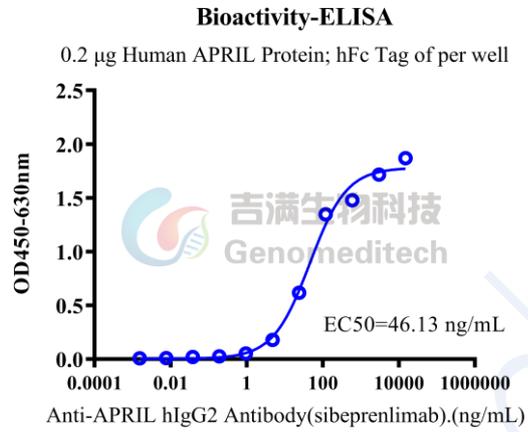


Fig. ELISA