

Anti-APRIL hlgG2 Reference Antibody (Sibebio)

Product Information

Product Name Anti-APRIL hlgG2 Reference Antibody (Sibebio)
Storage temp. Store at 2-8°C short term (1-2 weeks).Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.

Catalog# / Size **GM-88014MAB-1mg / 1 mg**
GM-88014MAB-5mg / 5 mg
GM-88014MAB-25mg / 5 mg*5 vials
GM-88014MAB-50mg / 50 mg
GM-88014MAB-100mg / 50 mg*2 vials

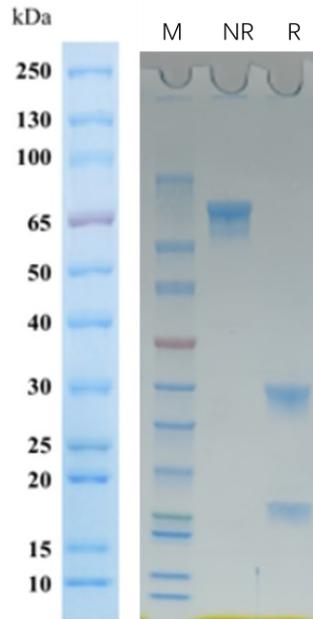
Antibody Information

Expression System CHO
Aggregation < 5% as determined by SEC-HPLC
Purity > 95% as determined by SDS-PAGE
Sterility 0.22 μm Filtered
Clone sibeprenlimab
Source/Isotype Human IgG2 Kappa
Application Bioactivity-ELISA
Specificity Detects APRIL
Gene APRIL
Other Names APRIL, TNFSF13, TALL-2, TRDL-1, CD256, TALL2, ZTNF2
Gene ID 8741 (human)
Background 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.
APRIL binds primarily to TACI 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.
Formulation Phosphate-buffered solution, pH 7.2-7.4.
Endotoxin < 1 EU/mg, determined by LAL gel clotting assay

Version:3.1

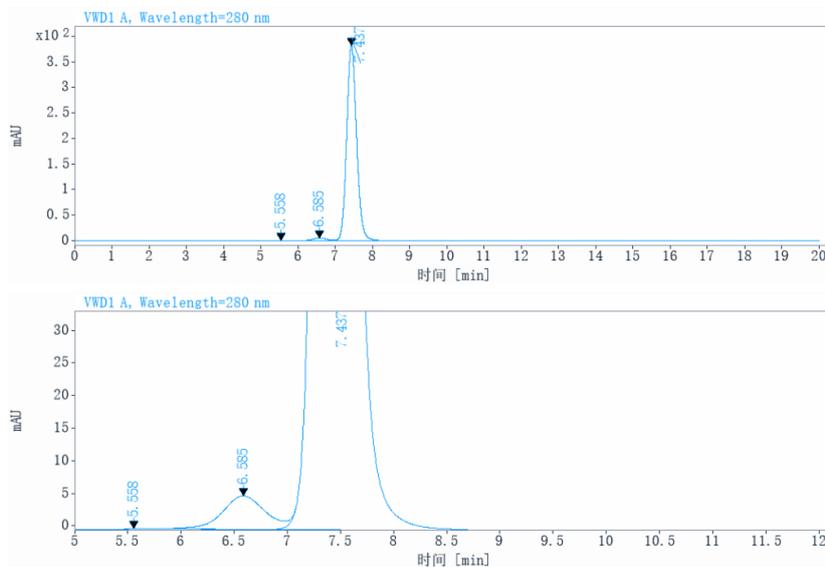
Data Examples

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 95% verified by SEC-HPLC.

Bioactivity-ELISA

Human APRIL Protein; hFc Tag (Catalog # GM-87743RP) was immobilized at 2 $\mu\text{g/ml}$ (100 $\mu\text{L/well}$). Increasing concentrations of Anti-APRIL hIgG2 Reference Antibody (Sibebio) (Catalog # GM-88014MAB) were added.

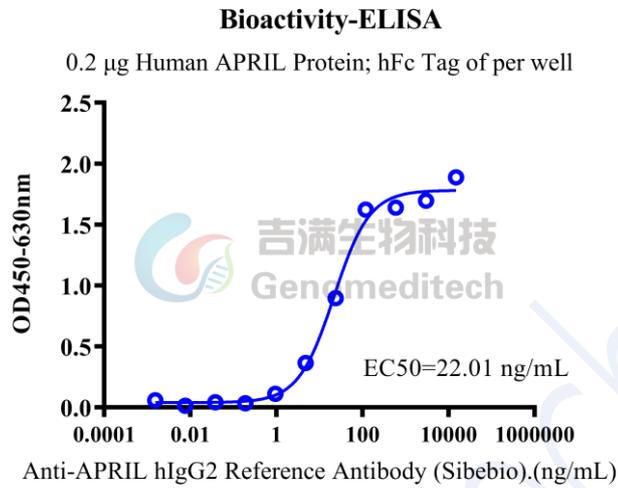


Fig. ELISA