

Anti-IL-4 hlgG1 Antibody (pascolizumab)

Product information

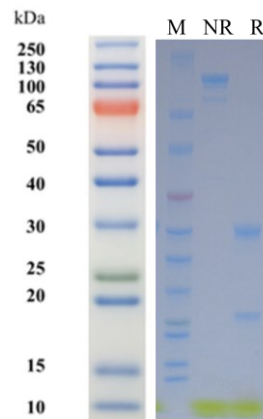
GM-88648AB-10	10 µg
GM-88648AB-100	100 µg
GM-88648AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	pascolizumab
Source/Isotype	Human IgG1, Kappa
Application	/
Specificity	Detects IL-4
Gene	IL-4
Other Names	BCGF-1, BCGF1, BSF-1, BSF1, IL4
Gene ID	3565 (human)
Background	<p>Pascolizumab is a humanized anti-IL-4 monoclonal antibody developed specifically for the treatment of allergic diseases such as asthma. IL-4, a key cytokine secreted by type 2 helper T cells (Th2), plays a central role in the early stages of asthma, activating Th2 cells, promoting immunoglobulin E (IgE) production, and triggering airway inflammation. Pascolizumab inhibits downstream inflammatory responses by precisely binding IL-4 and blocking its binding to the receptor. Although early clinical trials showed good safety, it failed to significantly reduce IgE levels in patients with asthma, leading to the termination of research. However, its mechanism of action still provides an important reference for the study of asthma treatment.</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

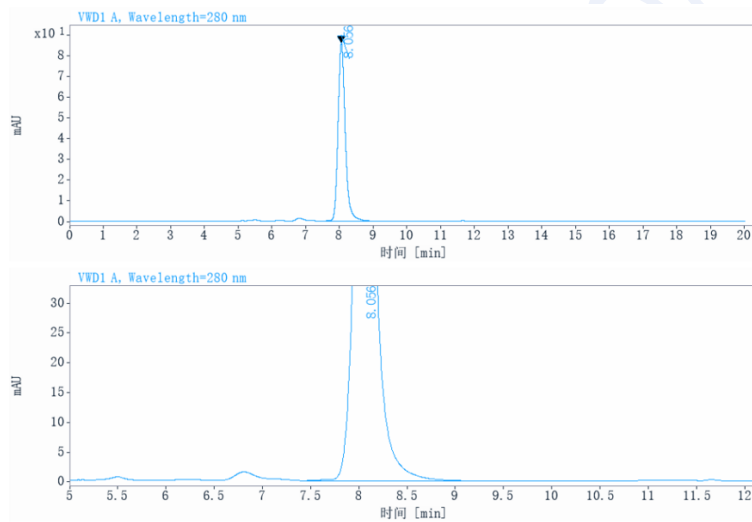
Data Examples

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.