

Anti-CD8 hlgG1 Antibody(xhCD8v6)

Product information

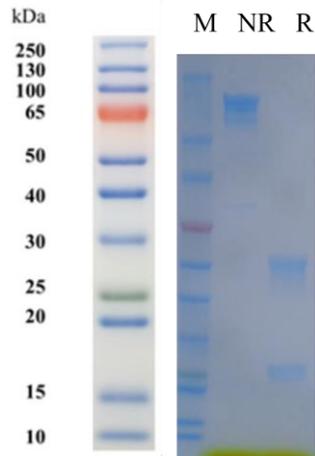
GM-88301AB-10	10 µg
GM-88301AB-100	100 µg
GM-88301AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	xhCD8v6
Source/Isotype	Human IgG1,Kappa
Application	/
Target	Detects CD8
Gene	CD8
Other Names	CD8A, CD8alpha, IMD116, Leu2, p32
Gene ID	926 (Human)
Background	<p>The CD8 gene, located in the 2p12 region of the human genome, encodes a CD8 transmembrane glycoprotein (belonging to the immunoglobulin superfamily) consisting of α/β chains forming a heterodimer (CD8 $\alpha\beta$) or α chain homodimer (CD8 $\alpha\alpha$) with a molecular weight of approximately 32-37 kda. Its extracellular v-like domain specifically binds to the mhc-class I $\alpha 3$ domain, which is involved in T cell activation signal transduction as a TCR co-receptor, and the intracellular segment initiates calcium ion flow through the phosphorylation of ITAM motif by P56lck kinase, which is involved in the activation of T cells, drives CD8 + T cell differentiation into cytotoxic T lymphocytes (ctls) . Functionally, CD8 + T cells play a central role in antiviral and antitumor immunity by releasing perforin/granzyme to directly kill virally infected cells or tumor cells, and secreting cytokines such as IFN-γ to regulate immune responses, which may be related to the role of CD8 + T cells in anti-viral and anti-tumor immunity, it is also involved in the mechanisms of autoimmune diseases (such as rheumatoid arthritis) , transplant rejection and tumor immune escape.</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.
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay

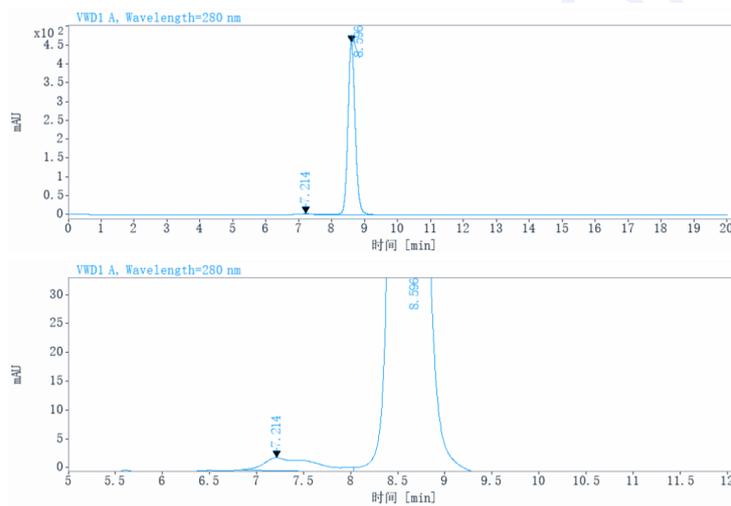
Version:3.1

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.