

Anti-PD1-IL2v Fusion hIgG1 Antibody(KY-0118)

Product information

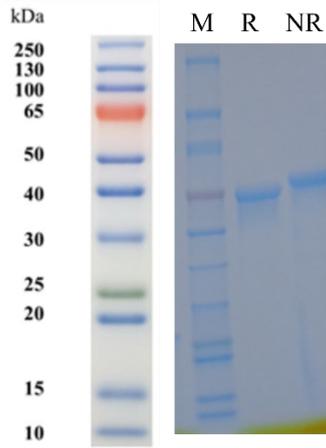
GM-88241AB-10	10 µg
GM-88241AB-100	100 µg
GM-88241AB-1000	1 mg

Antibody Information

Species Reactivity	Human
Clone	KY-0118
Source/Isotype	Human IgG1 (KDEL,L234A/L235A/P329G)
Application	/
Specificity	Detects PD1、 IL2v
Gene	PD1&IL2v
Other Names	PD1: PDCD1, PD1, CD279, SLEB2 IL2v: VASN, SLITL2, Vasorin
Gene ID	PD1: 6622 (Human) IL2v: 114990 (Human)
Background	PD1-IL2V fusion antibodies are innovative bifunctional molecules in the field of cancer immunotherapy that achieve a synergistic effect of "Immune brake release + immune activation" by fusing PD-1 antibodies with an IL-2 variant (IL2V). The core mechanism is that PD-1 antibody targets tumor-infiltrating PD-1 + T cells, delivering IL2V precisely to the tumor microenvironment while blocking PD-1/PD-L1 inhibitory signals; IL2V is engineered (e.g., to avoid IL-2RA binding) to preferentially activate the IL-2Rβγ pathway, specifically enhancing the proliferation, killing activity, and memory formation of effector T cells (e.g., CD8 + T cells), at the same time, it reduces the activation of regulatory T cells (Treg) and reduces the risk of toxicity such as vascular leak syndrome.
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

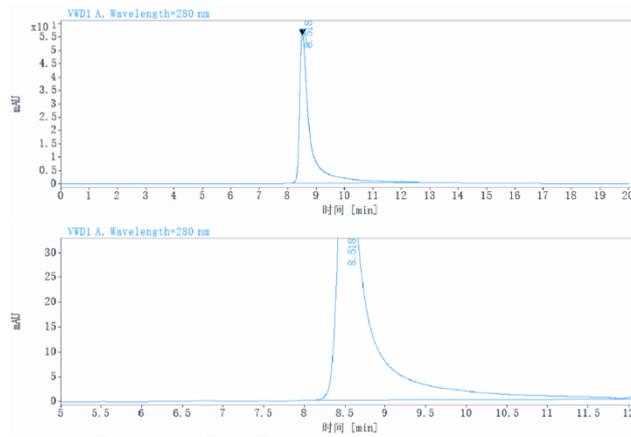
Version:3.1

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.