

Anti-VEGF×PD-L1 hIgG1 Bispecific Antibody (Pumibio)

Product Information

Product Name	Anti-VEGF×PD-L1 hIgG1 Bispecific Antibody (Pumibio)
Storage temp.	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Catalog# / Size	GM-88344MAB-1mg / 1 mg GM-88344MAB-5mg / 5 mg GM-88344MAB-25mg / 5 mg*5 vials GM-88344MAB-50mg / 50 mg GM-88344MAB-100mg / 50 mg*2 vials

Antibody Information

Expression System	CHO
Aggregation	< 5% as determined by SEC-HPLC
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay
Sterility	0.22 µm Filtered
Target	VEGF&PD-L1
Clone	Pumitamig
Alternative Names	VEGF: VPF; MVCD1; L-VEGF PD-L1: ADMIO5, B7-H, B7H1, CD274, PDCD1L1, PDCD1LG1, PDL1, hPD-L1
Source/Isotype	Human IgG1(KDEL,L234A L235A),kappa
Application	Block assay
Description	Pumitamig, a Bispecific monoclonal antibody that targets PD-L1 and VEGF-A, aims to restore effector T cell function in the tumor microenvironment and locally neutralize VEGF-A. In the tumor microenvironment, the presence of PD-L1 inhibits the killing effect of immune cells on tumor cells, while VEGF-A promotes tumor angiogenesis, provides nutrients for tumor cells, and helps tumor growth and metastasis. By simultaneously blocking these two key targets, Pumitamig attacks tumors from multiple angles, breaks the immune escape mechanism of tumors, and inhibits tumor angiogenesis, so as to achieve better therapeutic effects.

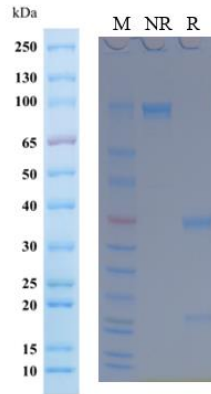
Version:3.1

Formulation

Phosphate-buffered solution, pH 7.2-7.4.

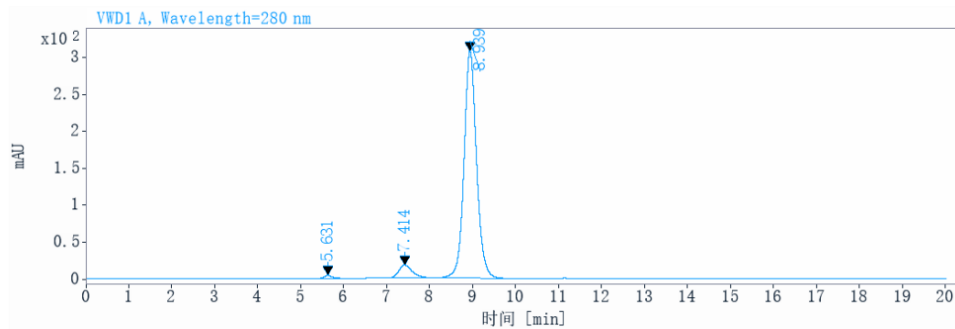
Data Examples

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

Block assay

Anti-VEGF×PD-L1 hlgG1 Bispecific Antibody (Pumibio) (Catalog # GM-88344MAB) inhibits H_VEGF Reporter 293 Cell Line (Catalog # GM-C09057) Luminescence induced by VEGF165. IC50 for this effect is 0.08891 $\mu\text{g/mL}$.

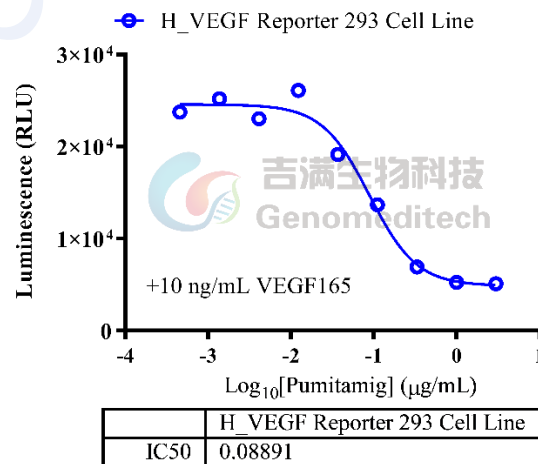


Fig. Assay

Version:3.1

Block assay

Anti-VEGF×PD-L1 hIgG1 Bispecific Antibody (Pumibio) (Catalog # GM-88344MAB) blocks the inhibitory signaling mediated by the binding of the H_PD-1 Reporter Jurkat Cell Line (Catalog # GM-C07928) to aAPC(OKT3) PDL1 CHO-K1 Cell Line (Catalog # GM-C05269). EC50 for this effect is 0.2920 µg/mL.

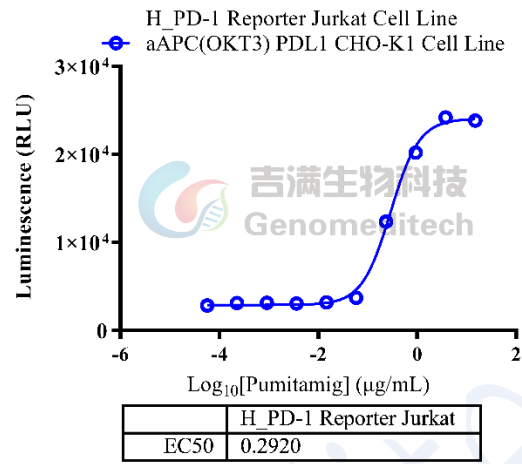


Fig . Assay