

Anti-mouse VEGFR-2 mIgG2a Antibody(DC101)

Product Information

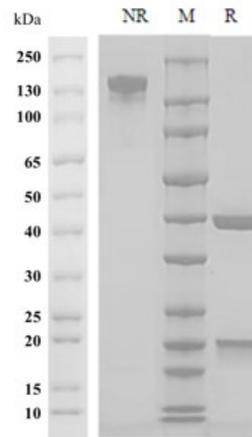
Product Name	Anti-mouse VEGFR-2 mIgG2a Antibody(DC101)
Storage temp.	Store at 2-8°C short term (1-2 weeks).Store at ≤ -20°C long term. Avoid repeated freeze-thaw.
Catalog# / Size	GM-87892MAB-1mg / 1 mg GM-87892MAB-5mg / 5 mg GM-87892MAB-25mg / 5 mg*5 vials GM-87892MAB-50mg / 50 mg GM-87892MAB-100mg / 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	0.2 μm Filtered
Target	VEGFR-2
Clone	DC101
Other Names	6130401C07, Flk-1, Flk1, Krd-1, Ly73, VEGFR2, orv, sVEGFR-2
Source/Isotype	Monoclonal mouse IgG2a, kappa
Application	Bioactivity-ELISA
Description	VEGFR-2, also known as KDR (kinase insertion domain receptor) and Flk-1 in mice, is the main receptor mediating the angiogenic response to vascular endothelial growth factor (VEGF). DC101 is a monoclonal antibody targeting mouse VEGFR-2, and its core mechanism is to inhibit VEGFR-2 signaling by specifically blocking VEGF binding to VEGFR-2, which can be used to inhibit VEGFR-2 signaling, it can inhibit tumor angiogenesis, tumor proliferation and metastasis, and affect the activity of cancer stem cells (CSCs) and tumor immune microenvironment.
Formulation	Phosphate-buffered solution, pH 7.2-7.4.

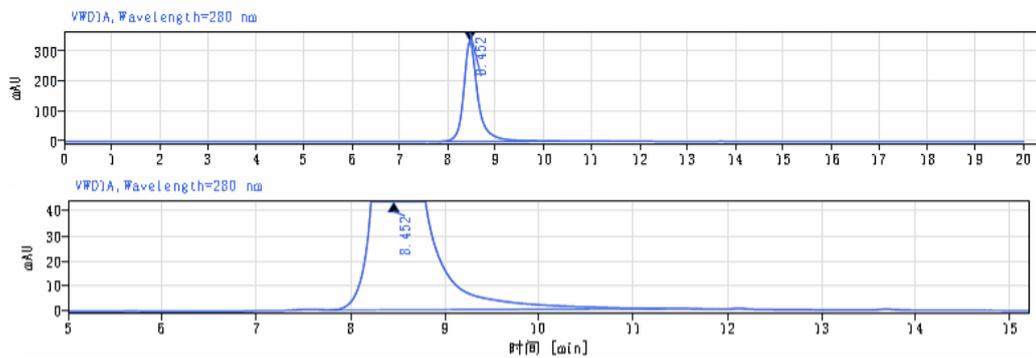
Data Examples

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The 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

Mouse VEGFR2 Protein; His Tag (Catalog # GM-87864RP) was immobilized at 2 $\mu\text{g/ml}$ (100 $\mu\text{L/well}$). Increasing concentrations of Anti-mouse VEGFR-2 mlgG2a Antibody(DC101) (Catalog # GM-87892MAB) were added.

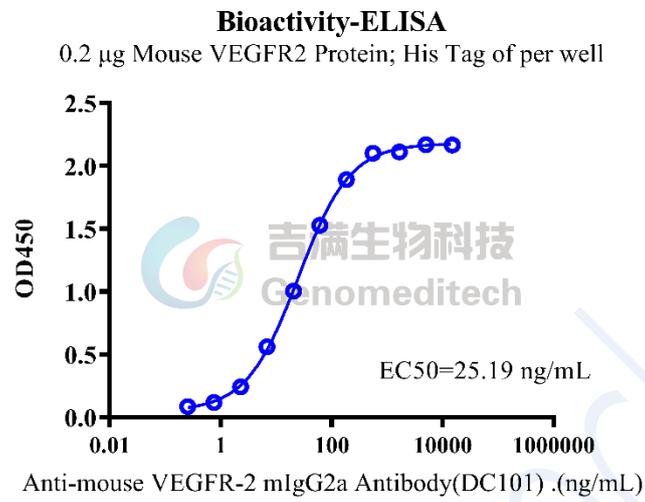


Fig. ELISA