

Anti-ITGB4 mIgG2a Antibody(13H10)

Product information

GM-88290AB-10	10 µg
GM-88290AB-100	100 µg
GM-88290AB-1000	1 mg

Antibody Information

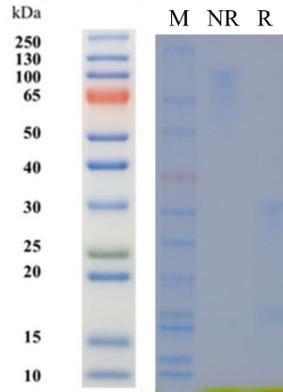
Species Reactivity	Human
Clone	13H10
Source/Isotype	Mouse IgG2a,Kappa
Application	/
Specificity	Detects ITGB4
Gene	ITGB4
Other Names	CD104, GP150, JEB5A, JEB5B
Gene ID	3691 (Human)
Background	<p>The ITGB4 gene, located in region 25(17q25) of the long arm of human chromosome 17, encodes an integrin B4 transmembrane glycoprotein, which binds to the $\alpha 6$ subunit to form the laminin receptor complex, which is responsible for the formation of the laminin receptor complex, through the regulation of FAK/SRC, EGFR-AKT, MEK/ERK/C-jun and other signaling pathways involved in cell adhesion, polarity maintenance and tumor biological processes. Its mutations are directly related to epidermolysis bullosa with pyloric atresia (Jeb-pa) , nonsense variants lead to lethal phenotypes, missense variants are mostly found in non-lethal types, and variant hotspots are concentrated in the FNIII and VWFA domains. In the field of tumors, ITGB4 is highly expressed in a variety of solid tumors, such as colorectal cancer, prostate cancer, non-small-cell lung carcinoma, head and neck squamous-cell carcinoma, and pancreatic ductal adenocarcinoma, it is associated with tumor progression, drug resistance (EG, EGFR-AKT pathway resistance in colorectal cancer and PD-1 inhibitor resistance in bladder cancer) and poor prognosis It affects immunotherapy response by activating the MEK/Erk/C-jun pathway to regulate PD-L1 expression, while positively correlated with NECTIN4 to enhance ADC drug sensitivity (such as enfortumab vedotin) , providing new ideas for combination therapy.</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.

Version:3.1

Endotoxin

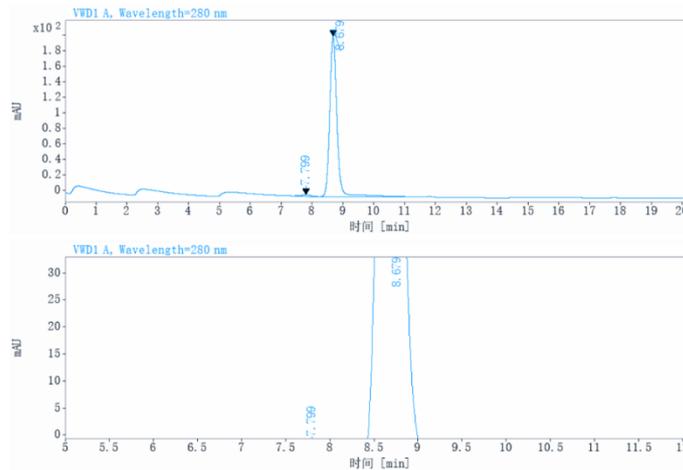
< 1 EU/mg, determined by LAL gel clotting assay

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.