

Anti-KLK2 mIgG2a Antibody(Hu11B6)

Product information

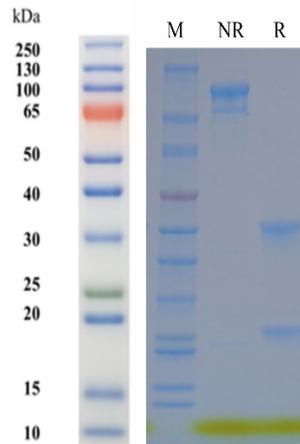
GM-88139AB-10	10 µg
GM-88139AB-100	100 µg
GM-88139AB-1000	1 mg

Antibody Information

Species Reactivity	Human;
Clone	Hu11B6
Source/Isotype	Mouse IgG2a,Kappa
Application	/
Specificity	Detects KLK2
Gene	KLK2
Other Names	KLK2A2, hGK-1, hK2
Gene ID	3817 (human)
Background	<p>KLK2 is a membrane-bound trypsin-like serine endopeptidase that is specifically expressed in prostate epithelial cells and prostate cancer cells under the regulation of androgen receptor (AR) and acts synergistically with prostate-specific antigen (PSA), which is essential for the development of prostate cancer, activation of PSA function by enzyme digestion is a key regulator of PSA biological activity. The positive rates of KLK2 in localized prostate cancer (LPC), metastatic hormone-sensitive prostate cancer (MHSPC) and metastatic castration-resistant prostate cancer (mCRPC) were 91%, 81% and 76%, respectively, the expression of PSMA is strictly specific to prostate tissue, and there is almost no signal in normal tissues (such as salivary gland and kidney), which greatly reduces the risk of off-target. KLK2 is not only involved in tumor cell proliferation, angiogenesis and microenvironment remodeling, but also closely related to tumor invasiveness and castration resistance, and its high expression level is positively correlated with the stage of disease progression, and the expression level of KLK2 is positively correlated with the stage of disease progression, and it is not affected by AR pathway inhibitors, which provides an alternative treatment option for patients with AR pathway inhibitor resistance.</p>
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

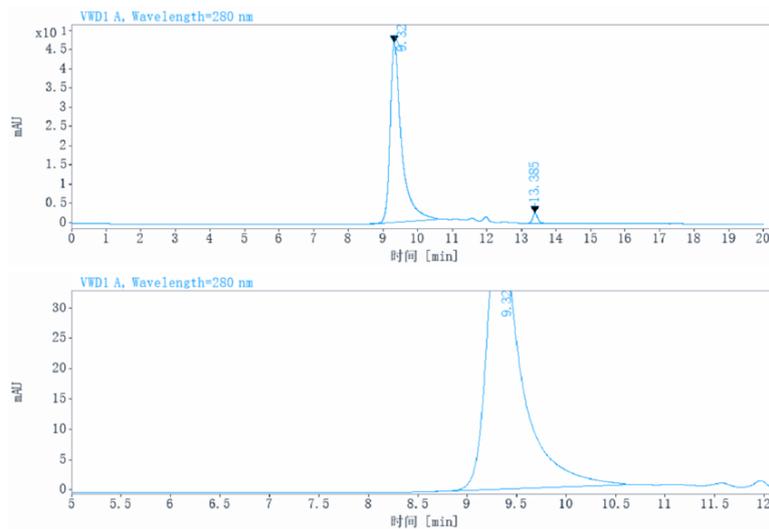
Version:3.1

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.