

Anti-ROR1 Reference Antibody (zilovertamab vedotin)

Recombinant Antibody

Catalog # APR10207

Product Information

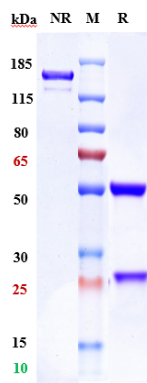
Application	FC, Kinetics, Animal Model
Primary Accession	Q01973
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	104283

Additional Information

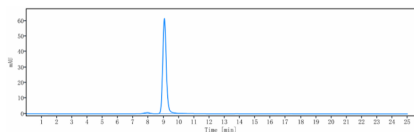
Target/Specificity	ROR1
Endotoxin Conjugation	MMAE
Expression system	CHO Cell
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

Protein Information

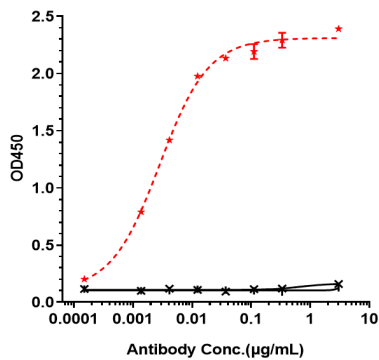
Name	ROR1
Synonyms	NTRKR1
Function	Has very low kinase activity in vitro and is unlikely to function as a tyrosine kinase in vivo (PubMed: 25029443). Receptor for ligand WNT5A which activate downstream NFkB signaling pathway and may result in the inhibition of WNT3A-mediated signaling (PubMed: 25029443 , PubMed: 27162350). In inner ear, crucial for spiral ganglion neurons to innervate auditory hair cells (PubMed: 27162350). Via IGFBP5 ligand, forms a complex with ERBB2 to enhance CREB oncogenic signaling (PubMed: 36949068).
Cellular Location	Membrane; Single- pass type I membrane protein. Cell projection, axon {ECO:0000250 UniProtKB:Q9Z139}
Tissue Location	Expressed strongly in human heart, lung and kidney, but weakly in the CNS. Isoform Short is strongly expressed in fetal and adult CNS and in a variety of human cancers, including those originating from CNS or PNS neuroectoderm



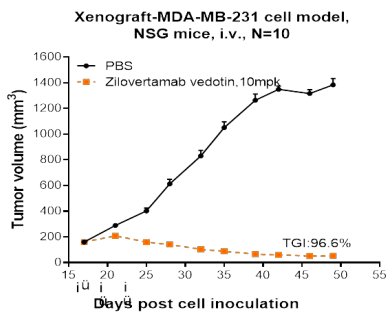
Anti-ROR1 Reference Antibody (zilovetamab vedotin) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-ROR1 Reference Antibody (zilovetamab vedotin) is more than 98.21%, determined by SEC-HPLC.



Immobilized human ROR1 His at 2 µg/mL can bind Anti-ROR1 Reference Antibody (zilovetamab vedotin), EC50=0.002833 µg/mL



zilovetamab vedotin inhibited the tumor growth of MDA-MB-231 on NSG mice. The result showed significant anti-tumor effects, with a tumor inhibition rate (TGI) of 96.6% at 10 mpk.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.