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Anti-GUCY2C Reference Antibody (indusatumab vedotin)

Recombinant Antibody
Catalog # APR10435

Product Information

Application	Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA
Primary Accession	P25092
Reactivity	Human
Clonality	ADC
Isotype	IgG1
Calculated MW	123403

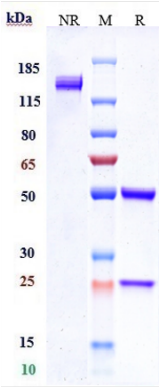
Additional Information

Target/Specificity	GUCY2C
Endotoxin Conjugation	MMAE
Expression system	CHO
Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative.This antibody is purified through a protein A column.

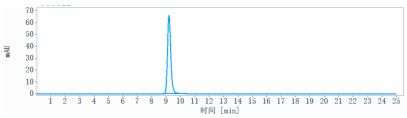
Protein Information

Name	GUCY2C {ECO:0000303|PubMed:22521417, ECO:0000312|HGNC:HGNC:4688}
Function	Guanylyl cyclase that catalyzes synthesis of cyclic GMP (cGMP) from GTP (PubMed:11950846, PubMed:1718270, PubMed:22436048, PubMed:22521417, PubMed:23269669). Receptor for the E.coli heat-stable enterotoxin; E.coli enterotoxin markedly stimulates the accumulation of cGMP in mammalian cells expressing GUCY2C (PubMed:1680854, PubMed:1718270). Also activated by the endogenous peptides guanylin and uroguanylin (PubMed:8381596).
Cellular Location	Cell membrane; Single-pass type I membrane protein Endoplasmic reticulum membrane; Single- pass type I membrane protein. Note=The 145 kDa plasma membrane form of GUCY2C contains sialic acid and galactose residues, while a differencially glycosylated 130 Kda form is a high mannose form that is resident in the endoplasmic reticulum and may serve as the precursor for the cell surface form

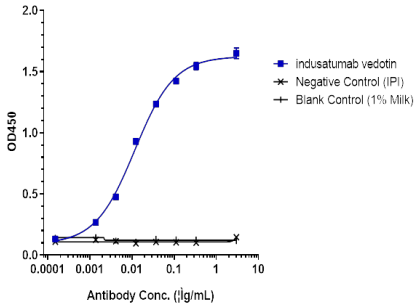
Images



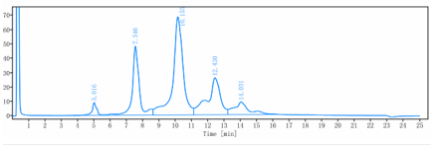
Anti-GUCY2C Reference Antibody (indusatumab vedotin) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



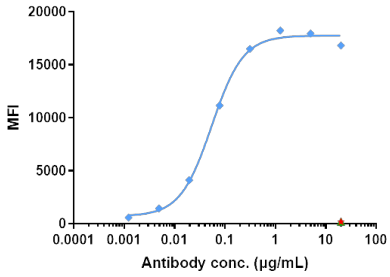
The purity of Anti-GUCY2C Reference Antibody (indusatumab vedotin) is more than 95%, determined by SEC-HPLC.



Immobilized Human GUCY2C, His Tag at 2 ug/mL can bind Anti-GUCY2C Reference Antibody (Indusatumab vedotin), EC50 is 0.01160 ug/mL.



The drug-to-antibody ratio (DAR) of the Anti-GUCY2C Reference Antibody (Indusatumab vedotin) is 4.2.



Human GUCY2C CHO Cell Line were stained with Anti-GUCY2C Reference Antibody (Indusatumab vedotin) and negative control protein respectively, washed and then followed by PE and analyzed with FACS,The EC50 is 0.05 μg/mL.

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