

GUCY2C recombinant antibody

Anti-GUCY2C Reference Antibody (indusatumab)

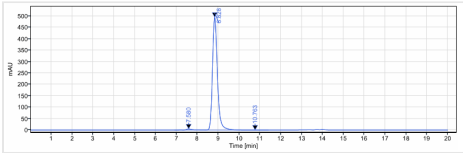
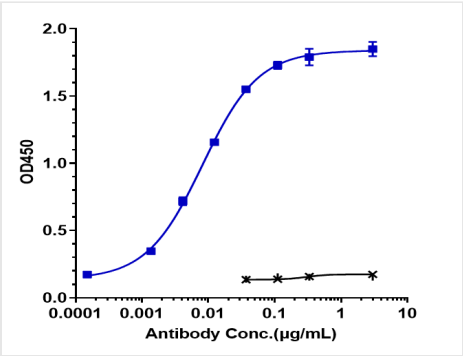
CATALOG # AAA296827	HOST CHO Cell	REACTIVITY Human, Rat, Pig, Cynomolgus	APPLICATIONS Flow Cytometry, Functional Assay
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PRODUCT SYNONYMS

GUCY2C; Monoclonal Recombinant Antibody; Anti-GUCY2C Reference Antibody (indusatumab); GUCY2C recombinant antibody

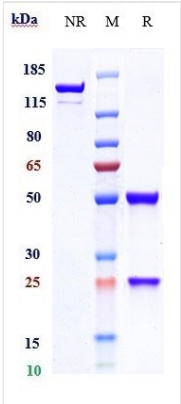
PRODUCT SPECIFICATIONS

Host	CHO Cell
Reactivity	Human, Rat, Pig, Cynomolgus
Clonality	Monoclonal
Isotype	IgG1
Specificity	GUCY2C
Form/Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.
Applicable Applications for GUCY2C recombinant antibody	FCM/FACS (Flow Cytometry)
Endotoxin	< 0.001EU/ug, determined by LAL method.
Conjugation	Unconjugated
Function	Guanylyl cyclase that catalyzes synthesis of cyclic GMP (cGMP) from GTP (PubMed: , PubMed: , PubMed: , PubMed: , PubMed:). Receptor for the E.coli heat-stable enterotoxin; E.coli enterotoxin markedly stimulates the accumulation of cGMP in mammalian cells expressing GUCY2C (PubMed: , PubMed:). Also activated by the endogenous peptides guanylin and uroguanylin (PubMed:).
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 differentially 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
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store at -20 degree C in small aliquots to prevent freeze/thaw cycles



Application Data
The purity of Anti-GUCY2C Reference Antibody (indusatumab) is more than 98.5%, determined by SEC-HPLC.

Application Data
Immobilized human GUCY2C His at 2 ug/mL can bind Anti-GUCY2C Reference Antibody (indusatumab), EC50=0.00818ug/mL



SDS-PAGE
Anti-GUCY2C Reference Antibody (indusatumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%

ADDITIONAL INFORMATION

Product Categories/Family for GUCY2C recombinant antibody	Primary Antibodies
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NCBI AND UNIPROT INFORMATION

NCBI GI #	222080083
NCBI GeneID	2984
NCBI Accession #	NP_004954.2
NCBI GenBank Nucleotide #	NM_004963.3
UniProt Accession #	P25092; B2RMY6
Molecular Weight	145.18 kDa
NCBI Official Full Name	heat-stable enterotoxin receptor
NCBI Official Synonym Full Names	guanylate cyclase 2C
NCBI Official Symbol	GUCY2C
NCBI Official Synonym Symbols	STAR; DIAR6; GUC2C; MECIL; MUCIL
NCBI Protein Information	heat-stable enterotoxin receptor

UniProt Protein Name	Heat-stable enterotoxin receptor
UniProt Gene Name	GUCY2C
UniProt Synonym Gene Names	GUC2C; STAR; STA receptor; hSTAR; GC-C

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/gucy2c-recombinant-antibody-flow-cytometry-elisa/296827>