

GPC3/Glypican-3 Recombinant Antibody | GPC3 recombinant antibody

Anti-GPC3/Glypican-3 Reference Antibody (codrituzumab)

CATALOG # AAA29398	HOST CHO Cell	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Functional Assay
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PRODUCT SYNONYMS

GPC3/Glypican-3; Monoclonal Recombinant Antibody; Anti-GPC3/Glypican-3 Reference Antibody (codrituzumab); GPC3 recombinant antibody

PRODUCT SPECIFICATIONS

Host	CHO Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Specificity	GPC3/Glypican-3
Form/Format	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.
Concentration	1mg/ml (varies by lot)
Applicable Applications for GPC3 recombinant antibody	ELISA, FCM/FACS (Flow Cytometry), FA (Functional Assay), Animal Model
Endotoxin	< 0.001EU/ug, determined by LAL method.
Conjugation	Unconjugated
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 -80 degree C for 2 years under sterile conditions; -20 degree C for 1 year under sterile conditions; Avoid repeated freeze-thaw cycles.

IMAGES



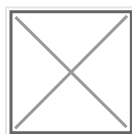
Application Data

Anti-GPC3 / Glypican-3 Reference Antibody (Codrituzumab)-induced ADCC activity was evaluated using human GPC3 CHOS Cell. The max Lysis rate was approximately 30%.



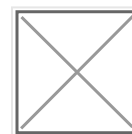
Application Data

The endocytosis ratio codrituzumab by HuH-7 increased with the increase of antibody concentration, and the Internalization Rate (%) reached 40% at antibody concentration of 1 nM.



FCM (Flow Cytometry)

Human GPC3 CHOS cells were stained with Anti-GPC3 / Glypican-3 Reference Antibody (codrituzumab) and negative control protein respectively, washed and then followed by PE and analyzed with FACS, EC210=2.142 nM



Application Data

Immobilized human GPC3, His tag at 2 ug/mL can bind Anti-GPC3 / Glypican-3 Reference Antibody (codrituzumab), EC50=0.008741ug/mL



Application Data

The purity of Anti-GPC3 / Glypican-3 Reference Antibody (codrituzumab) is more than 95% ,determined by SEC-HPLC.



SDS-PAGE

Anti-GPC3 / Glypican-3 Reference Antibody (codrituzumab) 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 GPC3 recombinant antibody

Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	257471010
NCBI GeneID	2719
NCBI Accession #	NP_001158091.1
NCBI GenBank Nucleotide #	NM_001164619.1
UniProt Accession #	P51654; Q2L880; Q2L882; C9JLE3; G3V1R0
Molecular Weight	65,563 Da
NCBI Official Full Name	glypican-3 isoform 4
NCBI Official Synonym Full Names	glypican 3
NCBI Official Symbol	GPC3
NCBI Official Synonym Symbols	SGB; DGSX; MXR7; SDYS; SGBS; OCI-5; SGBS1; GTR2-2
NCBI Protein Information	glypican-3; secreted glypican-3; glypican proteoglycan 3; intestinal protein OCI-5; heparan sulphate proteoglycan
UniProt Protein Name	Glypican-3
UniProt Gene Name	GPC3
UniProt Synonym Gene Names	OCI5
UniProt Entry Name	GPC3_HUMAN

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/gpc3-glypican-3-recombinant-antibody-flow-cytometry-functional-assay-elisa/29398>