CA19-9 antibody [GT933]

Cat. No. GTX635389

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Applications	WB, ICC/IF, IHC-P, FCM, ELISA, Sandwich ELISA, Glycan Array
Reactivity	Species independent

References (2)
Package
100 µl, 25 µl

PRODUCT

Summary

Carbohydrate antigen 19-9 (CA 19-9), also known as sialyl-Lewis^{A}, is a tetrasaccharide with the sequence Neu5Acα2-3Galβ1-3[Fucα1-4]GlcNAcβ. It is used clinically to assist in the diagnosis of pancreatic cancer, but is more widely utilized to monitor therapy and detect recurrences in diagnosed cases. CA 19-9 is also elevated in many other diseases, including cholangiocarcinoma, colorectal cancer, hepatocellular carcinoma, and cirrhosis. GeneTex's CA 19-9 mouse monoclonal antibody [GT933] demonstrates superior sensitivity for western blot, immunohistochemistry, and immunocytochemistry in comparative testing against other well-known CA 19-9 antibodies. Most significantly, glycan array interrogation using this antibody establishes that it is specific for sialyl-Lewis^{A}.

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:1000
ICC/IF	Assay dependent
IHC-P	Assay dependent
FCM	Assay dependent
ELISA	Assay dependent
Sandwich ELISA	Assay dependent
Glycan Array	Assay dependent

Note : Permeabilization : 0.1% saponin
Capture: GTX635389, Detection: GTX635391 or Capture: GTX635391, Detection: GTX635389 Please notice that GTX635389 needs to be conjugated to HRP to function as the detection antibody when paired with GTX635391. Please contact us for custom HRP-conjugated antibody.

Not tested in other applications.

Product Note This antibody specifically detects sialyl-Lewis ^{A} (CA 19-9), but not sialyl-Lewis ^{X}.

Properties

Form Liquid

For full product information, images and publications, please visit our website.

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Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4ºC. For long-term storage, aliquot and store at -20ºC or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	The immunogen used to generate this antibody corresponds to CA19-9.
Purification	Affinity purified by Protein G.
Conjugation	Unconjugated
Note	For laboratory research use only. Not for any clinical, therapeutic, or diagnostic use in humans or animals. Not for animal or human consumption. Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



GTX635389 Glycan Array Image

CA19-9 antibody [GT933] specifically detects sialyl-Lewis^A (Neu5Ac-; CA19-9) on a glycan array.

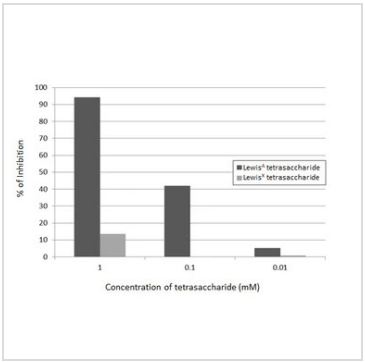
Green: sialyl-Lewis^A (Neu5Ac-; CA19-9).

Red: Modified sialyl-Lewis^A (Neu5Gc-).

Yellow: Positive control.

Blue: Negative control.

*The competitor is not affiliated with GeneTex and does not endorse this product.



GTX635389 ELISA Image

Competition analysis of CA 19-9 antibody [GT933] (GTX635389) (330 ng/mL) binding to immobilized recombinant HSA-CA 19-9 (coated at 3 µg/mL) in the presence of soluble Lewis^A or Lewis^X tetrasaccharides (1.0-0.01 mM). Bound antibody was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).

Competition analysis of CA 19-9 antibody [GT933] (GTX635389) (330 ng/mL) binding to immobilized recombinant Isospec HAS-CA 19-9 (coated at 3 µg/mL) in the presence of soluble LewisA or LewisX tetrasaccharides (1.0-0.01 mM). Bound antibody was detected by Goat Anti-Mouse IgG antibody (HRP) (GTX213111-01) (1:10000).

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