

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[Fuca1-4]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 : 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 |
| Buffer | PBS |



For full product information, images and publications, please visit our [website](#).

| | |
|----------------------|--|
| Preservative | No preservatives |
| Storage | Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C 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.

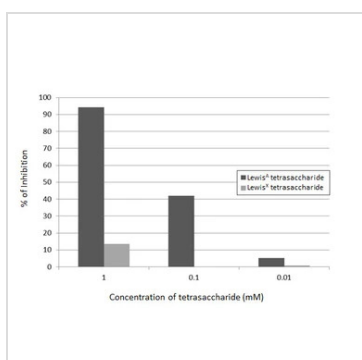
Green: sialyl-Lewis^A (Neu5Ac-; CA19-9).

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 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).



For full product information, images and publications, please visit our [website](#).