PRODUCT DATA SHEET

Anti-ganglioside asialo GM$\text{$_2$}$

Catalog No: 1951
Common Name: Polyclonal antibody to asialo GM$\text{$_2$}$, isotype IgG/IgM
Host: Rabbit
Preparation: Purified anti-ganglioside asialo GM$\text{$_2$}$ and complete Freund’s adjuvant was used to immunize rabbits. Serum containing IgG/IgM was isolated.
Limit of Detection: Optimal ELISA ca. 50ng of antigen
Quality Control: ELISA and TLC immunoblotting with peroxidase reaction
Selectivity: No cross-reaction with other carbohydrate epitopes
Storage: -20°C
Stability: 3-4 months when refrigerated; 2-3 days at room temperature
Dilution:
- ELISA: 1:200
- TLC: 1:100
Preservatives: None

Application Notes:
Anti-ganglioside asialo GM$\text{$_2$}$ is very useful in the identification of ganglioside asialo GM$\text{$_2$}$ and in immunotargeting cells expressing asialo GM$\text{$_2$}$. Several gangliosides have been found to have an elevated expression in tumor cells. Many therapeutic treatments of tumor cells are being investigated using antibodies to target cells that express these elevated levels of gangliosides. Lymphoma has been shown to have an increased level of asialo GM$\text{$_2$}$ and passive immunization with monoclonal immunoglobulin G3 antibodies to asialo GM$\text{$_2$}$ has effectively suppressed tumor formation in these cells. Asialo-GM$\text{$_2$}$ has been identified as a receptor for many types of bacteria including Neisseria gonorrhoeae and Haemophilus influenzae.

Selected References: