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Rat anti Forssman antigen

Catalogue number: **MUB0610P**

Clone	117C9
Isotype	IgM
Product Type	Primary Antibodies
Units	0.1 mg
Host	Rat
Species reactivity	Mouse
Application	Immunohistochemistry (frozen)

Distributors

For Purchasing Information, please contact your local distributor

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Background

The Forssman glycolipid is a glycosylceramide possessing a neutral pentasaccharide head group, referred to as the Forssman antigen (Fa) and is a member of the globoseries glycolipid family. Fa has been identified in a number of mammals and exhibits heterogeneity with respect to developmental and cell-type expression among species. Some studies have reported the presence of the Fa in certain Human embryonic and tumor cells. The majority of Human individuals have undetectable levels of Fa. Gastric and colonic tumors from Fa-negative patients, however, contained relatively high levels of Fa. Moreover, compared with normal lung tissue, many lung cancers contained elevated levels of Fa. These observations arouse interest in Fa for a possible role as a Human tumor antigen.

Source

The antibody 117C9 is a Rat anti-Forssman glycosphingolipid (FGL) antibody derived by fusing Mouse myeloma cells with spleen cells from a Rat immunized with Mouse mammary tumors.

Product

Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.

Applications

117C92 is useful for immunohistochemistry on frozen sections. Optimal antibody dilution should be determined by titration.

Specificity

Clone 33B12 and 117C9 detect overlapping epitopes on the Forssman glycolipid hapten (GalNA1- c3aG aINAcD1 -3Galal-4GalB1-4GlcBl-ICer). Clone 117C9 recognizes the internal sugar sequence GalNAqYIBGal. The 117C9 antibody does not react exclusively with

the Forssman antigen. In a lipid extract fractionated by Folch partition of Mouse mammary tumors the antibody also detects other glycolipid.

Storage

Store at 4°C, or in small aliquots at -20°C.

References

1. Sonnenberg A, van Balen P, Hengeveld T, Kolvenbag GJ, Van Hoeven RP, Hilgers J. (1986). J Immunol. 15;137(4):1264-9,

Caution

This product is intended FOR RESEARCH USE ONLY, and FOR TESTS IN VITRO, not for use in diagnostic or therapeutic procedures involving humans or animals. This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water. This datasheet is as accurate as reasonably achievable, but Nordic-MUbio accepts no liability for any inaccuracies or omissions in this information.