

AM33022PU-N

Monoclonal Antibody to GBT1 (Forssman antigen) - Purified

Alternate names:	3-N-acetylgalactosaminyltransferase 1, Forssman glycolipid synthase-like protein, Globoside alpha-1
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
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.
Uniprot ID:	Q8VI38
NCBI:	NP_631936.2
GenelD:	227671
Host / Isotype:	Rat / IgG2c
Clone:	33B12
Immunogen:	The antibody 33B12 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.
Format:	State: Liquid purified Ig fraction Buffer System: PBS Preservatives: 0.09% Sodium Azide
Applications:	Immunohistochemistry on Frozen sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	Clone <i>33B12</i> and <i>117C9</i> detect overlapping epitopes on the Forssman glycolipid hapten (GalNA1- c3aG aINAcD1 -3Galal-4GalB1-4GlcBI-lCer). Clone <i>33B12</i> reacts with the terminal sugar sequence GalNAcd-3GalNAc and is specific for Forssman antigen.
Species Reactivity:	Tested: Mouse.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

1. Sonnenberg A, van Balen P, Hengeveld T, Kolvenbag GJ, Van Hoveen RP, Hilgers J. Monoclonal antibodies detecting different epitopes on the Forssman glycolipid hapten. J Immunol. 1986 Aug 15;137(4):1264-9. PubMed PMID: 2426359.