

Product datasheet for **AM33022PU-N**

Gbgt1 (Forssman antigen) Rat Monoclonal Antibody [Clone ID: 33B12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	33B12
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Frozen sections.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2c
Clonality:	Monoclonal
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.
Specificity:	Clone <i>33B12</i> and <i>117C9</i> detect overlapping epitopes on the Forssman glycolipid hapten (GalNA1- c3aG aINAcD1 -3Galal-4GalB1-4GlcBl-ICer). Clone <i>33B12</i> reacts with the terminal sugar sequence GalNAcd-3GalNAc and is specific for Forssman antigen.
Formulation:	PBS State: Purified State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	globoside alpha-1,3-N-acetylgalactosaminyltransferase 1
Database Link:	Entrez Gene 227671 Mouse Q8VI38



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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.

Synonyms:

A3GALNT; FS; MGC44848; UDP-GalNAc; UNQ2513