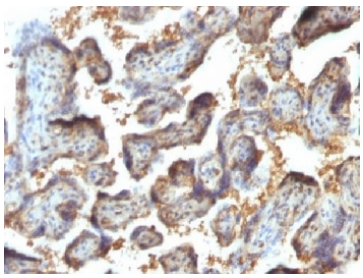
GAL13 Antibody / Placental Lectin Antibody [clone PP13/1164] (V3338)

Catalog No.	Formulation	Size
V3338-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3338-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3338SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b, kappa
Clone Name	PP13/1164
Purity	Protein G affinity chromatography
UniProt	Q9UHV8
Localization	Cytoplasmic, cell surface
Applications	ELISA (order BSA/sodium azide-free format for coating) Flow cytometry: 0.5-1ug/10^6 cells Immunofluorescence: 0.5-1ug/ml Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT
Limitations	This GAL13 Antibody / Placental Lectin Antibody is available for research use only.



GAL13 Antibody in Human Placenta IHC. Immunohistochemistry testing of GAL13 Antibody / Placental Lectin Antibody in FFPE human placenta. Heat-induced epitope retrieval was performed by boiling tissue sections in either 10 mM Tris with 1 mM EDTA, pH 9, or 10 mM citrate buffer, pH 6, for 10-20 min. This GAL13 Antibody demonstrates placental staining consistent with the characteristic tissue distribution of galectin-13.

Description

GAL13 Antibody / Placental Lectin Antibody recognizes galectin-13, a beta-galactoside-binding lectin encoded by the LGALS13 gene. Also known as PP13 or placental protein 13, galectin-13 belongs to the galectin family of carbohydrate-binding proteins. Like other galectins, GAL13 contains a carbohydrate-recognition domain that enables interactions with glycan-containing molecules and contributes to its biological activity.

GAL13 is strongly enriched in placental tissue, with expression particularly associated with syncytiotrophoblasts at the maternal-fetal interface. The protein can be released from placental cells into the maternal circulation and has been studied in relation to trophoblast differentiation, placental development and pregnancy. Its distinctive expression pattern makes galectin-13 an important member of the placental galectin family.

Galectin-13 has also been investigated for immunoregulatory functions during pregnancy. Through interactions with maternal immune cells and extracellular glycoconjugates, the protein may contribute to the specialized immune environment that supports placentation and maternal tolerance of the developing fetus. Altered LGALS13 expression and circulating PP13 levels have been studied in association with preeclampsia and other pregnancy complications, linking this placental lectin to research into abnormal placentation and maternal-fetal health.

Clone PP13/1164 is a mouse monoclonal antibody developed against human galectin-13. NSJ Bioreagents provides this GAL13 Antibody for research into LGALS13 expression, trophoblast biology and placental function. A Placental Lectin Antibody targeting galectin-13 can support studies examining carbohydrate-binding proteins and the molecular biology of the maternal-fetal interface.

For additional information and reagents targeting this placenta-enriched lectin, visit our Galectin 13 Antibody / Placental Galectin Marker page.

Application Notes

Titering of the GAL13 Antibody / Placental Lectin Antibody may be required for optimal performance.

Immunogen

A human partial recombinant protein corresponding to amino acids 23-134 was used as the immunogen for the Galectin 13 antibody.

Storage

Store the Galectin 13 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

Alternate Names

GAL13 antibody, Galectin 13 antibody, LGALS13 antibody, PP13 antibody, placental protein 13 antibody, placental galectin antibody

Copyright © NSJ Bioreagents. All rights reserved.