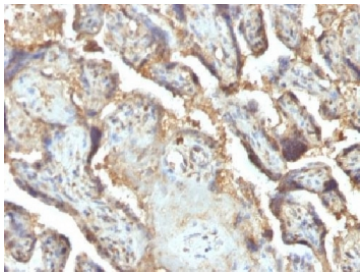
# LGALS13 Antibody / Pregnancy-Associated Galectin [clone PP13/1165] (V3339)

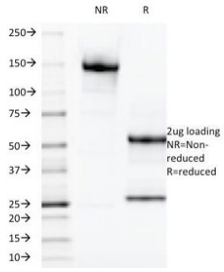
| Catalog No. | Formulation | Size |
|---|---|---|
| V3339-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V3339-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V3339SAF-100UG | 1 mg/ml in 1X PBS; BSA free, 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** | PP13/1165 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | Q9UHV8 |
| **Localization** | Cytoplasmic, cell surface |
| **Applications** | ELISA (order BSA/sodium azide-free format for coating)<br>Immunohistochemistry (FFPE): 0.5-1ug/ml for 30 min at RT |
| **Limitations** | This LGALS13 Antibody / Pregnancy-Associated Galectin is available for research use only. |



LGALS13 Antibody in Human Placenta IHC. Immunohistochemistry testing of LGALS13 Antibody / Pregnancy-Associated Galectin 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 LGALS13 Antibody demonstrates placental staining consistent with the strongly placenta-associated expression of galectin-13.




Purified LGALS13 Antibody SDS-PAGE. Electrophoretic analysis of purified, BSA-free LGALS13 Antibody / Pregnancy-Associated Galectin was performed to confirm antibody integrity and purity. The purified mouse monoclonal antibody demonstrates the expected immunoglobulin protein profile under the tested conditions.

## Description

LGALS13 Antibody / Pregnancy-Associated Galectin 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 involved in cellular interactions and regulatory processes. The approximately 16 kDa monomer can form a disulfide-linked homodimer of approximately 32 kDa, a characteristic relevant to the biochemical detection of this protein.

LGALS13 is strongly associated with the placenta and is particularly expressed by syncytiotrophoblasts. Galectin-13 can be released from placental tissue into the maternal circulation and has been investigated for roles in trophoblast biology, placental development and regulation of the maternal-fetal interface. Its highly placenta-associated expression distinguishes LGALS13 from many other members of the galectin family.

Galectin-13 has also been studied for its potential immunoregulatory activity during pregnancy. Research suggests that the protein can influence maternal immune-cell behavior and may contribute to the specialized immune environment required for successful placentation. Altered placental expression and maternal circulating levels of PP13 have been investigated in association with preeclampsia and other pregnancy complications, making LGALS13 relevant to studies of placental dysfunction and maternal-fetal health.

Clone PP13/1165 is a mouse monoclonal antibody generated against a recombinant human LGALS13 fragment corresponding to amino acids 23-134 and purified by Protein G affinity chromatography. NSJ Bioreagents provides this LGALS13 Antibody for research into galectin-13 expression, placental biology and pregnancy-associated processes. A Pregnancy-Associated Galectin antibody targeting LGALS13 can support studies examining placental development 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 LGALS13 Antibody / Pregnancy-Associated Galectin 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 LGALS13 antibody.

## Storage

Store the LGALS13 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## Alternate Names

LGALS13 antibody, Galectin 13 antibody, Galectin-13 antibody, PP13 antibody, placental protein 13 antibody, placental galectin antibody, pregnancy-associated galectin antibody, pregnancy-specific galectin antibody, galectin family member 13 antibody, GAL13 antibody

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