

## 10-7550-NALE: Monoclonal Antibody to Galectin 13 (Clone: ABM4E42) No Azide, No BSA

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	ABM4E42
<b>Application :</b>	IHC, WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	LGALS13
<b>Gene ID :</b>	29124
<b>Uniprot ID :</b>	Q9UHV8
<b>Format :</b>	Azide Free, Purified
<b>Alternative Name :</b>	LGALS13, PLAC8
<b>Isotype :</b>	Mouse IgG2b Kappa
<b>Immunogen Information :</b>	A full length human Galectin-13 protein was used as the immunogen for this antibody.

### Description

Galectin-13 (Gal-13) is a glycan-binding protein that regulates innate and adaptive immune responses. It is predominantly expressed by the syncytiotrophoblast and released from the placenta into the maternal circulation. It has the ability to induce apoptosis of activated T cells in vitro, and divert and kill T cells as well as macrophages in the maternal decidua. Gal-13 with its anti-inflammatory functions plays a role in regulation of maternal immune system, a lack of gal-13 contribute to an imbalance in inflammation processes in the placenta during pregnancy and therefore influences development of gestational diabetes mellitus (GDM). Gal-13 levels are low in the first trimester of pregnancy that confers a higher risk for developing pre-eclampsia later in pregnancy.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS
<b>Storage condition :</b>	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Western blot analysis: 2-4 µg/ml, Immunohistochemical analysis: 5 µg/ml

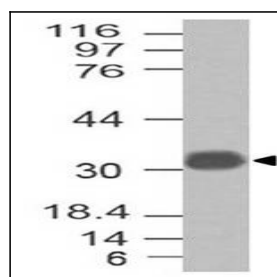


Fig-1: Western blot analysis of Galectin 13. Anti- Galectin 13 antibody (Clone: ABM4E42) was tested at 2.0 µg/ml on h Testis lysate.

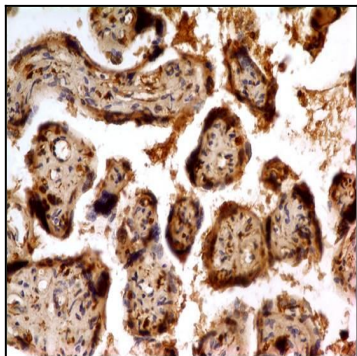


Fig-2 : Immunohistochemical analysis of Galectin 13 in human placenta tissue using Galectin 13 antibody (Clone: ABM4E42) at 5 µg/ml.