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10-7550: Monoclonal Antibody to Galectin 13 (Clone: ABM4E42)

Clonality :	Monoclonal
Clone Name :	ABM4E42
Application :	IHC,WB
Reactivity :	Human
Gene :	LGALS13
Gene ID :	29124
Uniprot ID :	Q9UHV8
Format :	Purified
Alternative Name :	LGALS13,PLAC8
Isotype :	Mouse IgG2b Kappa
Immunogen Information :	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

Amount :	25 µg / 100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	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

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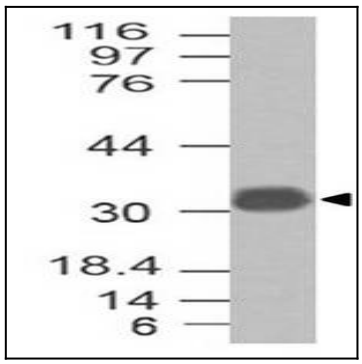

Fig-1: Western blot analysis of Galectin 13. Anti- Galectin 13 antibody (Clone: ABM4E42) was tested at 2.0 µg/ml on h Testis lysate.

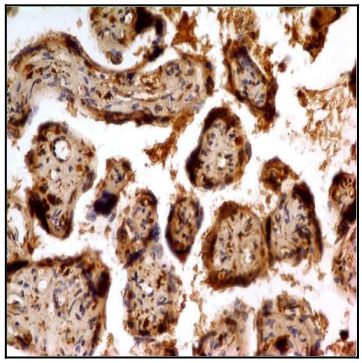

Fig-2 : Immunohistochemical analysis of Galectin 13 in human placenta tissue using Galectin 13 antibody (Clone: ABM4E42) at 5 µg/ml.