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Datasheet for ABIN6937776

anti-LGALS13 antibody (AA 23-134)

Overview

Quantity:	100 µg
Target:	LGALS13
Binding Specificity:	AA 23-134
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Immunofluorescence (IF), Western Blotting (WB), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))

Product Details

Immunogen:	Recombinant human Galectin-13 protein fragment (aa23-134)
Clone:	PP13-1161
Isotype:	IgG2b kappa
Specificity:	It recognizes a 32 kDa protein, which is identified as homodimer of galectin-13 (also known as PP13). Galectins are a family of soluble -galactoside-binding lectins that modulate cell-to-cell adhesion and cell-to-extracellular matrix (ECM) interactions and play a role in tumor progression, pre-mRNA splicing and apoptosis. One such member, galectin-13, is a 139 amino acid protein that contains one galectin domain. Possessing lysophospholipase activity, galectin-13 exists as a disulfide-linked homodimer. Galectin-13 is suggested to have a developmental role in the placenta and may display immunobiological activity in feto-maternal blood-spaces. Screening for galectin-13 in maternal serum during the first trimester of pregnancy may serve as a diagnostic marker to predict preterm pre-eclampsia.

Product Details

Cross-Reactivity (Details): Human.

Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target: LGALS13

Alternative Name: LGALS13 ([LGALS13 Products](#))

Background: Gal-13, GAL13, Galactoside-binding soluble lectin 13, Galectin-13, Galectin13, Lectin galactoside binding soluble 13, LGALS13, PLAC8, Placental protein 13 (PP13), Placental tissue protein 13, Galectin-13 (GAL13) / Placental Protein 13 (PP13)
Cellular localisation: Cytoplasmic & Cell Surface

Molecular Weight: 16kDa (monomer), 32kDa (homodimer)

Gene ID: 29124, 23671

UniProt: [Q9UHV8](#)

Application Details

Application Notes: Known_Application: Flow Cytometry (1-2 µg/million cells), Immunofluorescence (1-2 µg/mL), Western Blot (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.
Positive_Control: K-562 cells. Placenta or Spleen.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: Prepared in 10 mM PBS, WITHOUT BSA and Azide.

Preservative: Azide free

Storage: -20 °C, -80 °C

Storage Comment: Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.

Expiry Date: 24 months