

Datasheet for ABIN6189422

anti-LGALS13 antibody (AA 23-134) (CF®405S)



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Overview

Quantity:	100 µL
Target:	LGALS13
Binding Specificity:	AA 23-134
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LGALS13 antibody is conjugated to CF®405S
Application:	Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), ELISA, Coating (Coat)

Product Details

Purpose:	Mouse Monoclonal anti-Galectin-13 / Placental-Protein-13 (PP13/1162), CF405S Conjugate
Immunogen:	Recombinant human Galectin-13 protein fragment (aa23-134) (exact sequence is proprietary)
Clone:	PP13-1162
Isotype:	IgG2b
Characteristics:	This antibody recognizes a 32 kDa protein, which is identified as homodimer of galectin-13 (also known as PP13). Galectins are a family of soluble β -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

Product Details

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. Primary antibodies are available purified, or with a selection of fluorescent CF® dyes and other labels. CF® dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	LGALS13
Alternative Name:	Galectin-13 / Placental-Protein-13 (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
Molecular Weight:	16 kDa (monomer), 32 kDa (homodimer)
Gene ID:	29124, 23671
UniProt:	Q9UHV8

Application Details

Application Notes:	Immunohistology (formalin) 0.5-1 µg/mL • Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM Tris, 1 mM EDTA pH 9.0 or 10 mM citrate buffer pH 6.0 for 10-20 min followed by cooling at RT for 20 min • Immunofluorescence 0.5-1 µg/mL • Flow Cytometry 0.5-1 µg/million cells/0.1 mL • ELISA For coating, order Ab without BSA • Optimal dilution for a specific application should be determined by user
Comment:	K-562 cells. Placenta or Spleen.
Restrictions:	For Research Use only

Handling

Format:	Liquid
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Handling

Concentration:	100 µg/mL
Buffer:	PBS/0.1 % BSA/0.05 % azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light