

Datasheet for ABIN6189392  
**anti-LGALS13 antibody (AA 23-134) (CF®647)**



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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®647   |
| Application:         | Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunofluorescence (IF), Western Blotting (WB) |

## Product Details

|                  |   |
|------------------|---|
| Purpose:         | Mouse Monoclonal anti-Galectin-13 / Placental-Protein-13 (PP13/1161), CF647 Conjugate   |
| Immunogen:       | Recombinant human Galectin-13 protein fragment (aa23-134) (exact sequence is proprietary)   |
| Clone:           | PP13-1161   |
| Isotype:         | IgG2b kappa   |
| 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 $\beta$ -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

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developmental role in the placenta and may display immunobiological activity in fetomaternal 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

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|                   |  |
|-------------------|--|
| Target:           | LGALS13  |
| Alternative Name: | Galectin-13 / Placental-Protein-13 ( <a href="#">LGALS13 Products</a> )  |
| 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:          | <a href="#">Q9UHV8</a>   |

## Application Details

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| Application Notes: | Immunohistology (formalin) 0.5-1 µg/mL <ul style="list-style-type: none"><li>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</li><li>Immunofluorescence 0.5-1 µg/mL</li><li>Flow Cytometry 0.5-1 µg/million cells/0.1 mL</li><li>Western blotting 0.5-1 µg/mL</li><li>Optimal dilution for a specific application should be determined by user</li></ul> |
| Comment:           | K-562 cells. Placenta or Spleen.   |
| Restrictions:      | For Research Use only  |

## Handling

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|         |        |
|---------|--------|
| Format: | Liquid |
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## Handling

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|                    |  |
|--------------------|--|
| 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   |