

## Anti-Galectin 3/LGALS3 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PB9081-Fluoro488

### About LGALS3

Galectin-3 (GAL3), also known as LGALS3, MAC2 or GALBP, is a member of the lectin family, of which 14 mammalian galectins have been identified. Galectin-3 is encoded by a single gene, it located on chromosome 14, locus q21-q22. It is expressed in the nucleus, cytoplasm, mitochondrion, cell surface, and extracellular space. Studies have also shown that the expression of galectin-3 is implicated in a variety of processes associated with heart failure, including myofibroblast proliferation, fibrogenesis, tissue repair, inflammation, and Ventricular remodeling. Galectin-3 is expressed in various tissues and organs, but is significantly absent in normal hepatocytes.

### Overview

Product Name	Anti-Galectin 3/LGALS3 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P17931

### Technical Details

Immunogen	E.coli-derived human Galectin 3 recombinant protein (Position: K139-I250). Human Galectin 3 shares 88% and 84% amino acid (aa) sequences identity with mouse and rat Galectin 3, respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 4 Publications Citing This Product

1. PubMed ID: 10.3389/fimmu.2021.639260, Galectin-Receptor Interactions Regulates Cardiac Pathology Caused by Trichinella spiralis Infection.
2. PubMed ID: 10.3892/etm.2019.7227, Expression of galectin-3 and apoptosis in placental villi from patients with missed abortion during early pregnancy
3. PubMed ID: 10.1155/2021/3210586, Insulin Receptor Substrate p53 Ameliorates High-Glucose-Induced Activation of NF-kappaB and Impaired Mobility of HUVECs

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