

Anti-Galectin 1 Lgals1 Antibody Picoband™

Catalog Number: A00470-2

About Lgals1

Galectin-1 is a protein that in humans is encoded by the LGALS1 gene. The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Galectin-1 may act as an autocrine negative growth factor that regulates cell proliferation. Galectin-1 expression in Hodgkin Lymphoma has also been shown to mediate immunosuppression of CD8+ T-cells. It is thought to play a role in creating immune tolerance in pregnancy. It has been found that Galectin-1-mediated production of IL6 may assist in augmenting the innate immune response against NiV. Galectin-1 may also be a significant factor that augments the efficiency of the HIV-1 infection process.

Overview

Product Name	Anti-Galectin 1 Lgals1 Antibody Picoband™
Reactive Species	Mouse
Description	Boster Bio Anti-Galectin 1 Lgals1 Antibody Picoband™ catalog # A00470-2. Tested in ELISA applications. This antibody reacts with Mouse.
Application	ELISA
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Lgals1: P16045

Technical Details

Immunogen	E. coli-derived mouse Galectin 1 recombinant protein (Position: A2-E135).
Predicted Reactive Species	Chicken
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>ELISA Capture (Matched Antibody Pair), 2-8ug/ml</p>

Anti-Galectin 1 Lgals1 Antibody Picoband™ (A00470-2) Images

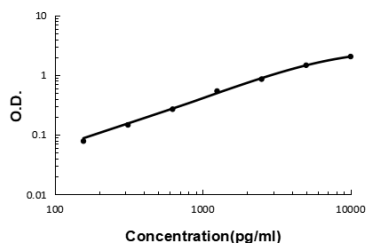


Figure 1. Sandwich ELISA - Recombinant mouse Galectin 1 protein standard curve.
Use in combination with reagents from Mouse Galectin 1 ELISA Kit EZ-Set (DIY Antibody Pairs) (EZ0763).

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