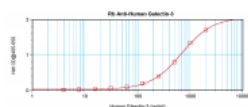


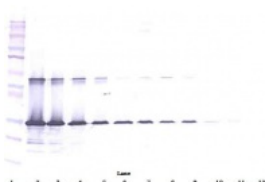


Galectin-3 Antibody

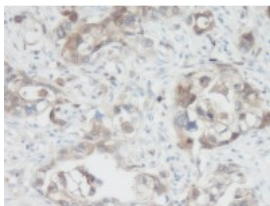
CATALOG NUMBER: 38-170



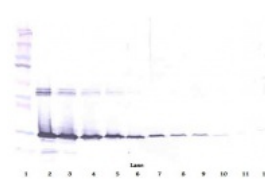
To detect hGalectin-3 by sandwich ELISA (using 100 μ l/well antibody solution) a concentration of 0.5 - 2.0 μ g/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with ProSci's Biotinylated Anti-Human Galectin-3 (38-171) as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hGalectin-3.



To detect hGalectin-3 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 μ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hGalectin-3 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.



This antibody stained formalin-fixed paraffin-embedded sections of human pancreas infiltrating ductal adenocarcinoma tissue. The recommended concentration is 31.25 ng/mL with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Optimal results for these conditions were achieved with heat induced antigen retrieval with a pH 6.0 sodium citrate b



To detect hGalectin-3 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 μ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant hGalectin-3 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Specifications

SPECIES REACTIVITY: Human

TESTED APPLICATIONS: ELISA, IHC, WB

APPLICATIONS: Sandwich ELISA:

To detect Galectin-3 by sandwich ELISA (using 100 μ L/well antibody solution) a concentration of 0.5 - 2.0 μ g/mL of this antibody is required. This antigen affinity purified antibody, in conjunction with our biotinylated Anti-Human Galectin-3 as a detection antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant Galectin-3.

Western Blot:

To detect Galectin-3 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/mL. Used in conjunction with compatible secondary reagents the detection limit for recombinant Galectin-3 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

Immunohistochemistry:

This antibody stained formalin-fixed paraffin-embedded sections of human pancreas infiltrating ductal adenocarcinoma tissue. The recommended concentration is 31.25 ng/mL with an overnight incubation at 4°C. An HRP-labeled polymer detection system was used with a DAB chromogen. Optimal results for these conditions were achieved with heat induced antigen retrieval with a pH 6.0 sodium citrate buffer. Optimal concentrations and conditions may vary.

USER NOTE:	Centrifuge vial prior to opening.
IMMUNOGEN:	Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant Galectin-3. Human Galectin-3 specific antibody was purified by affinity chromatography employing immobilized Galectin-3 matrix.
HOST SPECIES:	Rabbit

Properties

PHYSICAL STATE:	Lyophilized
STORAGE CONDITIONS:	Galectin-3 antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. Avoid repeated freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	L31, GAL3, MAC2, CBP35, GALBP, GALIG, LGALS2, Galectin-3, 35 kDa lectin, Gal-3
ACCESSION NO.:	P17931
PROTEIN GI NO.:	215274262
OFFICIAL SYMBOL:	LGALS3
GENE ID:	3958

Background

BACKGROUND:	Galectins are a new family of animal lectins which appear to exhibit a variety of biological functions. Lectins, of either plant or animal origin, are carbohydrate binding proteins that interact with glycoprotein and glycolipids on the surface of animal cells.
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FOR RESEARCH USE ONLY

December 13, 2016