

Canine Galectin-3-Binding Protein ELISA Kit | LGALS3BP elisa kit

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CATALOG #
AAA247456

REACTIVITY
Canine

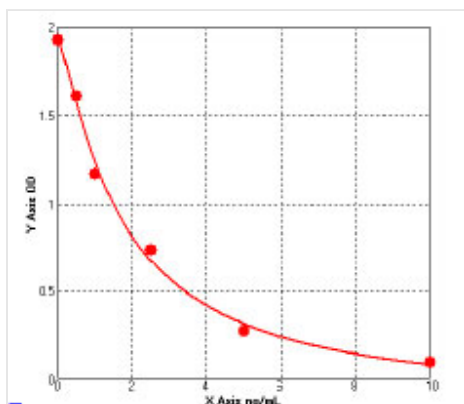
PRODUCT SYNONYMS

Galectin-3-Binding Protein; Canine Galectin-3-Binding Protein ELISA Kit; LGALS3BP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of Gal-3. No significant cross-reactivity or interference between Gal-3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Gal-3 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 26% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LGALS3BP elisa kit	Intended Uses: This Gal-3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Gal-3. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: Gal-3 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-Gal-3 antibody and an Gal-3-HRP conjugate. The assay sample and buffer are incubated together with Gal-3-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Gal-3 concentration since Gal-3 from samples and Gal-3-HRP conjugate compete for the anti-Gal-3 antibody binding site. Since the number of sites is limited, as more sites are occupied by Gal-3 from the sample, fewer sites are left to bind Gal-3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Gal-3 concentration in each sample is interpolated from this standard curve.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/lgals3bp-canine-elisa-kits/galectin-3-binding-protein/247456>