

Rat GAL3 Antibody Pair Set

| | | | |
|--------------------|---|---------------------|-------|
| Catalog No. | E-KAB-0643 | Applications | ELISA |
| Synonyms | LGALS3;CBP35;GALBP;GALIG;L31;LGALS2;MAC2;Lectin;Galactoside-Binding Soluble 3 | | |

Kit components & Storage

| Title | Specifications | Storage |
|--------------------------------------|----------------|---|
| Rat GAL3 Capture Antibody | 1 vial, 100 µg | Store at -20°C for one year. Avoid freeze/thaw cycles. |
| Rat GAL3 Detection Antibody (Biotin) | 1 vial, 50 µL | Store at -20°C for one year. Avoid freeze/thaw cycles. |

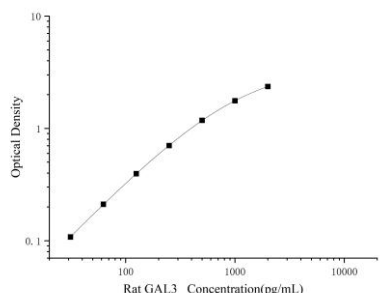
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

| Items | | Characteristic (E-KAB-0643) | |
|-----------------------|---------------|--|---|
| | | Rat GAL3 Capture Antibody | Rat GAL3 Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Rat GAL3 protien | Recombinant Rat GAL3 protien |
| | Swissprot | P08699 | |
| Product details | Reactivity | Rat | Rat |
| | Host | Goat | Goat |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5 mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5 | PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5 |
| | Purify | Antigen Affinity | Antigen Affinity |
| | Specificity | Detects Rat GAL3 in ELISAs. | |

Applications

Rat GAL3 Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images |
|-----------------|------------------------------------|--------------------------------------|--|
| ELISA Capture | 0.5-4 µg/mL | Rat GAL3 Capture Antibody |  |
| ELISA Detection | 1:1000-1:10000 | Rat GAL3 Detection Antibody (Biotin) | |

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

Galectins are a family of animal lectins defined by shared characteristic amino-acid sequences and affinity for β -galactose-containing oligosaccharides. Galectin-3 contains one carbohydrate recognition domain (CRD) and a proline- and glycine-rich N-terminal domain through which is able to form oligomers. Galectin-3 is widely expressed in many normal tissues and a variety of tumors. It is found intracellularly in nucleus and cytoplasm or secreted outside of cell; being present on the cell surface or in the extracellular space. Galectin-3 is involved in various biological processes including cell growth; adhesion; differentiation; apoptosis; angiogenesis; immune response; neoplastic transformation and metastasis.