

Mouse IGF-2 Antibody Pair Set

Catalog No. E-KAB-0339

Applications

ELISA

Synonyms IGF2, IGF-II

Kit components & Storage

| Title | Specifications | Storage |
|--|----------------|---|
| Mouse IGF-2 Capture Antibody | 1 vial, 100 µg | Store at -20°C for one year. Avoid freeze / thaw cycles. |
| Mouse IGF-2 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.

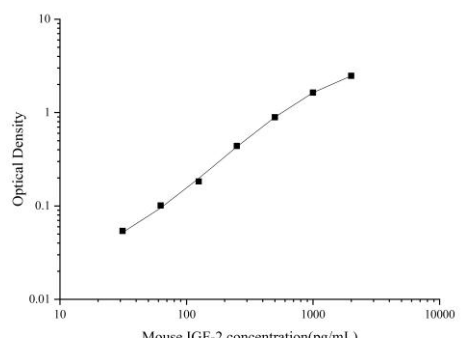
Product Information

| Items | | Characteristic (E-KAB-0339) | |
|-----------------------|---------------|--|---|
| | | Mouse IGF-2 Capture Antibody | Mouse IGF-2 Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Mouse IGF-2 protein | Recombinant Mouse IGF-2 protein |
| | Swissprot | P09535 | |
| Product details | Reactivity | Mouse | Mouse |
| | Host | Goat | Rat |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4 | PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
| | Purify | Antigen Affinity | Protein A or G |
| | Specificity | Detects Mouse IGF-2 in ELISAs. | |

For Research Use Only

Applications

Mouse IGF-2 Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | |
|-----------------------------------|------------------------------------|---|--|-----------------------------------|-----------------|----|------|-----|-----|------|-----|-------|----|
| ELISA Capture | 0.5-4μg/mL | Mouse IGF-2 Capture Antibody |  <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse IGF-2 concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>10</td><td>0.05</td></tr><tr><td>100</td><td>0.2</td></tr><tr><td>1000</td><td>1.5</td></tr><tr><td>10000</td><td>10</td></tr></tbody></table> | Mouse IGF-2 concentration (pg/mL) | Optical Density | 10 | 0.05 | 100 | 0.2 | 1000 | 1.5 | 10000 | 10 |
| Mouse IGF-2 concentration (pg/mL) | Optical Density | | | | | | | | | | | | |
| 10 | 0.05 | | | | | | | | | | | | |
| 100 | 0.2 | | | | | | | | | | | | |
| 1000 | 1.5 | | | | | | | | | | | | |
| 10000 | 10 | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Mouse IGF-2 Detection Antibody (Biotin) | | | | | | | | | | | |

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

Background

This gene encodes a member of the insulin family of polypeptide growth factors, which are involved in development and growth. It is an imprinted gene, expressed only from the paternal allele, and epigenetic changes at this locus are associated with Wilms tumour, Beckwith-Wiedemann syndrome, rhabdomyosarcoma, and Silver-Russell syndrome. A read-through INS-IGF2 gene exists, whose 5' region overlaps the INS gene and the 3' region overlaps this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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