

**Datasheet for KOA0772****Rat IGFBP5 ELISA Kit****Overview**

|                      |                                           |
|----------------------|-------------------------------------------|
| <b>Description:</b>  | Rat IGFBP5 AccuSignal ELISA Kit - KOA0772 |
| <b>Item No.:</b>     | KOA0772                                   |
| <b>Size:</b>         | 1 Kit                                     |
| <b>Applications:</b> | ELISA                                     |
| <b>Reactivity:</b>   | Rat                                       |
| <b>Range:</b>        | 156 pg/ml - 10,000 pg/ml                  |

**Product Details**

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>         | Insulin-like growth factor-binding protein 5 is a protein that in humans is encoded by the IGFBP5 gene. The IGFBP5 gene was mapped to chromosome 2q33-q34. The expression of IGFBP5 by stable transfection and adenovirus-mediated infection was inhibitory to growth in 2 human breast cancer cell lines. Stable expression of IGFBP5 in the breast cancer cell lines also inhibited the formation and growth of tumors following injection in athymic mice. IGFBP5 is believed a growth inhibitor and proapoptotic agent in breast cancer cells. |
| <b>Synonyms:</b>           | IBP 5, IBP-5, IBP5, IBP5_HUMAN, IGF binding protein 5, IGF BP5, IGF-binding protein 5, IGFBP 5, IGFBP-5, IGFBP5, Insulin like growth factor binding protein 5, Insulin-like growth factor-binding protein 5                                                                                                                                                                                                                                                                                                                                        |
| <b>Detection Kit Type:</b> | ELISA Kit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Detection Range:</b>    | 156 pg/ml - 10,000 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Sensitivity:</b>        | <10 pg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**Target Details**

|                            |                                                                                                           |
|----------------------------|-----------------------------------------------------------------------------------------------------------|
| <b>Gene Name:</b>          | IGFBP5                                                                                                    |
| <b>Reactivity:</b>         | Rat                                                                                                       |
| <b>Immunogen:</b>          | Expression system for standard: NSO; Immunogen sequence: L20-E271                                         |
| <b>Purity/Specificity:</b> | Natural and recombinant rat IGFBP5. There is no detectable cross-reactivity with other relevant proteins. |

**Relevant Links:**

- [UniProtKB - P24594](#)
- [NCBI - NP\\_036949.1](#)
- [GeneID - 25285](#)
- [KOA0772 Protocol](#)

## Application Details

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| <b>Tested Applications:</b> | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Application Note:</b>    | Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml rat IGFBP5 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of rat cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each rat IGFBP5 standard solution and each sample be measured in duplicate. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## Formulation

|                       |                |
|-----------------------|----------------|
| <b>Anticoagulant:</b> | Heparin Sodium |
|-----------------------|----------------|

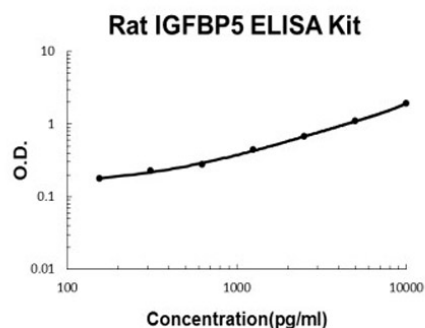
## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                                                                                                                                                                                                                                                                                                       |
| <b>Storage Condition:</b>  | Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing. |
| <b>Expiration:</b>         | See kit insert for complete instructions.                                                                                                                                                                                                                                                                                     |

## Images

**ELISA**

Rat IGFBP5 ELISA Kit standard curve.

**Disclaimer**

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.