

## Human IGFBP-1 Antibody Pair Set

|                    |                                                          |                     |       |
|--------------------|----------------------------------------------------------|---------------------|-------|
| <b>Catalog No.</b> | E-KAB-0141                                               | <b>Applications</b> | ELISA |
| <b>Synonyms</b>    | IGFBP1, AFBP, IBP1, IGF-BP25, PP12, placental protein 12 |                     |       |

### Kit components & Storage

| Title                                     | Specifications | Storage                                                    |
|-------------------------------------------|----------------|------------------------------------------------------------|
| Human IGFBP-1 Capture Antibody            | 1 vial, 100 µg | Store at -20℃ for one year.<br>Avoid freeze / thaw cycles. |
| Human IGFBP-1 Detection Antibody (Biotin) | 1 vial, 50 µL  | Store at -20℃ for one year.<br>Avoid freeze / thaw cycles. |

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

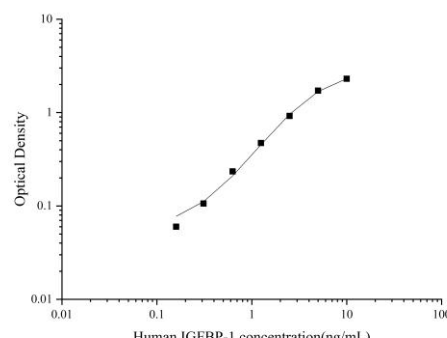
### Product Information

| Items                 |               | Characteristic (E-KAB-0141)                      |                                                                         |
|-----------------------|---------------|--------------------------------------------------|-------------------------------------------------------------------------|
|                       |               | Human IGFBP-1 Capture Antibody                   | Human IGFBP-1 Detection Antibody (Biotin)                               |
| Immunogen Information | Immunogen     | Recombinant Human IGFBP-1 protein                | Recombinant Human IGFBP-1 protein                                       |
|                       | Swissprot     | P08833                                           |                                                                         |
| Product details       | Reactivity    | Human                                            | Human                                                                   |
|                       | Host          | Mouse                                            | Mouse                                                                   |
|                       | 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        | Protein A or G                                   | Protein A or G                                                          |
|                       | Specificity   | Detects Human IGFBP-1 in ELISAs.                 |                                                                         |

### For Research Use Only

## Applications

### Human IGFBP-1 Sandwich ELISA Assay:

|                                     | Recommended Concentration/Dilution | Reagent                                   | Images                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |
|-------------------------------------|------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|-----------------|-----|------|-----|-----|-----|-----|---|-----|---|-----|---|-----|----|-----|
| ELISA Capture                       | 0.5-4μg/mL                         | Human IGFBP-1 Capture Antibody            |  <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human IGFBP-1 concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.05</td></tr><tr><td>0.2</td><td>0.1</td></tr><tr><td>0.5</td><td>0.2</td></tr><tr><td>1</td><td>0.4</td></tr><tr><td>2</td><td>0.8</td></tr><tr><td>5</td><td>1.5</td></tr><tr><td>10</td><td>2.5</td></tr></tbody></table> | Human IGFBP-1 concentration (ng/mL) | Optical Density | 0.1 | 0.05 | 0.2 | 0.1 | 0.5 | 0.2 | 1 | 0.4 | 2 | 0.8 | 5 | 1.5 | 10 | 2.5 |
| Human IGFBP-1 concentration (ng/mL) | Optical Density                    |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |
| 0.1                                 | 0.05                               |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |
| 0.2                                 | 0.1                                |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |
| 0.5                                 | 0.2                                |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |
| 1                                   | 0.4                                |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |
| 2                                   | 0.8                                |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |
| 5                                   | 1.5                                |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |
| 10                                  | 2.5                                |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |
| ELISA Detection                     | 1:1000-1:10000                     | Human IGFBP-1 Detection Antibody (Biotin) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                     |                 |     |      |     |     |     |     |   |     |   |     |   |     |    |     |

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

## Background

This gene is a member of the insulin-like growth factor binding protein (IGFBP) family and encodes a protein with an IGFBP domain and a thyroglobulin type-I domain. The protein binds both insulin-like growth factors (IGFs) I and II and circulates in the plasma. Binding of this protein prolongs the half-life of the IGFs and alters their interaction with cell surface receptors.

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