

## Bovine C4B-Binding Protein Beta Chain (C4BPB) ELISA Kit-Sandwich

**Cat. No.:** EK11F816

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Bovine C4B-Binding Protein Beta Chain (C4BPB) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine C4B-Binding Protein Beta Chain (C4BPB) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

### Specifications

|                    |  |
|--------------------|--|
| Assay Type         | ELISA-Sandwich   |
| Specificity        | The assay kit is specific for Bovine C4BPB.  |
| Target Species     | Bovine   |
| Species Reactivity | Bovine   |
| Reproducibility    | Intra-Assay: CV < 10%; Inter-Assay: CV < 10%   |
| Assay Time         | Around 270 min   |
| Sample Requirement | Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids. |

### Target Information

Similar to C4BPA, C4b-Binding Protein Beta Chain is a component of the complement system, working together to regulate C4b activity and prevent excessive complement activation. It is found in the blood and various tissues. Bovine C4b-Binding Protein Beta Chain is encoded by the *C4BPB* gene in cattle. It is a crucial regulator in both the classical and lectin pathways.

|                  |   |
|------------------|---|
| Target/Biomarker | Bovine C4BPB  |
| Target Synonym   | complement component 4 binding protein beta; C4b-binding protein beta chain |
| Gene ID          | <a href="#">281652</a>  |
| UniProt ID       | <a href="#">Q28066</a>  |

### Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

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## Reference

Jiang, L. *et al.* Gene expression profiling of liver from dairy cows treated intra-mammary with lipopolysaccharide. *BMC genomics*. 2008, 9: 443.

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The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.