

## Sheep Anti-Bovine Beta-Lactoglobulin B Polyclonal Antibody

**Cat. No.:** VD11N950

**Product Type:** Animal-targeted Antibodies

**Size:** 1 mL

### Product Overview

BioVenic sheep polyclonal antibody is specific for bovine beta-lactoglobulin B. It can be applied to ELISA assay of bovine beta-lactoglobulin B.

### Specifications

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Application                 | ELISA                                       |
| Clonality                   | Polyclonal                                  |
| Classification              | Primary Antibody                            |
| Clone                       | J20N38                                      |
| Host                        | Sheep                                       |
| Target Species              | Bovine                                      |
| Species Reactivity          | Bovine                                      |
| Specificity                 | Bovine Beta-Lactoglobulin B                 |
| Isotype                     | IgG                                         |
| Immunogen                   | Recombinant protein of beta-lactoglobulin B |
| Concentration               | 5 mg/mL                                     |
| Conjugation                 | Unconjugated                                |
| Preservative and Stabilizer | Sodium Azide                                |
| Buffer                      | Phosphate Buffered Saline                   |
| Physical State              | Liquid                                      |

### Target Information

Bovine beta-lactoglobulin B (BLG-B) is a major whey protein found in bovine milk, playing a significant role in the nutritional and functional properties of dairy products. It is a member of the lipocalin family and has a high affinity for binding small hydrophobic molecules, such as fatty acids and retinol. BLG-B is particularly important in the formation of stable emulsions and foams in dairy products due to its ability to adsorb at the air-water and oil-water interfaces.

|            |                             |
|------------|-----------------------------|
| Target     | Bovine Beta-Lactoglobulin B |
| Gene ID    | <a href="#">100531186</a>   |
| UniProt ID | <a href="#">P02754</a>      |

## Shipping and Storage

This product is shipped with wet ice packs. Store at -20°C on receipt (up to 12 months). Avoid repeated freezing and thawing as this may denature the antibody.

## Reference

Hattori, Makoto, *et al.* "Unfolding/refolding studies on bovine beta-lactoglobulin with monoclonal antibodies as probes. Does a renatured protein completely refold?." *Journal of Biological Chemistry* 268.30 (1993): 22414-22419.

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.