

## Datasheet for 101-1102

**Bovine IgG (H&L) Antibody****Overview**

|                      |                                                |
|----------------------|------------------------------------------------|
| <b>Description:</b>  | Goat Anti-Bovine IgG (H&L) Antibody - 101-1102 |
| <b>Item No.:</b>     | 101-1102                                       |
| <b>Size:</b>         | 2 mL                                           |
| <b>Reactivity:</b>   | Bovine                                         |
| <b>Host Species:</b> | Goat                                           |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Background:</b>   | Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. This product possesses the F(ab) region possessing the epitope-recognition site, both heavy and light chains of the antibody molecule are present. |
| <b>Synonyms:</b>     | Goat Anti-Bovine IgG Antibody, Secondary Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Host Species:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Specificity:</b>  | IgG (H&L)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Format:</b>       | Antiserum                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**Target Details**

|                            |                                                                                                                                                                                                    |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactivity:</b>         | Bovine                                                                                                                                                                                             |
| <b>Immunogen:</b>          | Bovine IgG whole molecule                                                                                                                                                                          |
| <b>Purity/Specificity:</b> | This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against Bovine IgG and Bovine Serum. |

## Application Details

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| <b>Application Note:</b> | Anti-Bovine IgG Secondary Antibodies are designed for Western Blotting, ELISA and Immunohistochemistry. Secondary antibodies can also be used for a variety of other applications such as Assay Development, Flow Cytometry and in situ hybridization. |
| <b>Assay Dilutions:</b>  | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                                                                                                                                                        |
| <b>ELISA:</b>            | 1:20,000 - 1:100,000                                                                                                                                                                                                                                   |
| <b>IHC:</b>              | 1:1,000 - 1:5,000                                                                                                                                                                                                                                      |
| <b>WB:</b>               | 1:2,000 - 1:10,000                                                                                                                                                                                                                                     |

## Formulation

|                               |                                                         |
|-------------------------------|---------------------------------------------------------|
| <b>Physical State:</b>        | Lyophilized                                             |
| <b>Concentration:</b>         | 28.5 mg/mL by Refractometry                             |
| <b>Buffer:</b>                | 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>          | None                                                    |
| <b>Stabilizer:</b>            | None                                                    |
| <b>Reconstitution Volume:</b> | 2.0 mL                                                  |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)            |

## Shipping & Handling

|                            |                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shipping Condition:</b> | Ambient                                                                                                                                                                                                                                                                                                                                         |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.                                                                                                                                                                                                                                                                                           |

## Disclaimer

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