

**Datasheet for 605-303-002****Goat IgG (H&L) Antibody Peroxidase Conjugated****Overview**

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| <b>Description:</b>  | Mouse Anti-Goat IgG (H&L) Antibody Peroxidase Conjugated - 605-303-002 |
| <b>Item No.:</b>     | 605-303-002                                                            |
| <b>Size:</b>         | 1 mg                                                                   |
| <b>Applications:</b> | ELISA, WB                                                              |
| <b>Reactivity:</b>   | Goat                                                                   |
| <b>Host Species:</b> | Mouse                                                                  |

**Product Details**

|                      |                                                                                                                                                                                                                                                                                                                                 |
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| <b>Background:</b>   | Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. |
| <b>Synonyms:</b>     | Mouse anti-Goat IgG Antibody Peroxidase Conjugation, Mouse anti-Goat IgG HRP Conjugated Antibody                                                                                                                                                                                                                                |
| <b>Host Species:</b> | Mouse                                                                                                                                                                                                                                                                                                                           |
| <b>Specificity:</b>  | IgG (H&L)                                                                                                                                                                                                                                                                                                                       |
| <b>Conjugate:</b>    | Peroxidase (HRP)                                                                                                                                                                                                                                                                                                                |
| <b>Clonality:</b>    | Polyclonal                                                                                                                                                                                                                                                                                                                      |
| <b>Format:</b>       | IgG                                                                                                                                                                                                                                                                                                                             |

**Target Details**

|                    |                         |
|--------------------|-------------------------|
| <b>Reactivity:</b> | Goat                    |
| <b>Immunogen:</b>  | Goat IgG whole molecule |

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| <b>Purity/Specificity:</b> | Goat IgG (H&L) Antibody Peroxidase Conjugated was prepared from monospecific polyclonal ascites by immunoaffinity chromatography using Goat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-peroxidase, anti-Mouse Serum, Goat IgG and Goat Serum. No reaction was observed against Rabbit, Human and Mouse Serum Proteins. |
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## Application Details

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| <b>Tested Applications:</b>    | ELISA                                                                                                                                                                                                                                                              |
| <b>Suggested Applications:</b> | WB (Based on references)                                                                                                                                                                                                                                           |
| <b>Application Note:</b>       | Anti-Goat IgG Peroxidase conjugate has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot consistency. |
| <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

|                               |                                                                        |
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| <b>Physical State:</b>        | Lyophilized                                                            |
| <b>Concentration:</b>         | 1.0 mg/mL by UV absorbance at 280 nm                                   |
| <b>Buffer:</b>                | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2             |
| <b>Preservative:</b>          | 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!               |
| <b>Stabilizer:</b>            | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free |
| <b>Reconstitution Volume:</b> | 1.0 mL                                                                 |
| <b>Reconstitution Buffer:</b> | Restore with deionized water (or equivalent)                           |

## Shipping & Handling

|                            |         |
|----------------------------|---------|
| <b>Shipping Condition:</b> | Ambient |
|----------------------------|---------|

**Storage Condition:** 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.

**Expiration:** Expiration date is one (1) year from date of receipt.

## References

- Brown et al. FOXP3 and miR-155 cooperate to control the invasive potential of human breast cancer cells by down regulating ZEB2 independently of ZEB1. *Oncotarget* (2018)
- Tarassishin L et al. Interleukin-1-induced changes in the glioblastoma secretome suggest its role in tumor progression. *Journal of Proteomics* (2014)

## Disclaimer

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