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Datasheet for 605-703-125

# Goat IgG (H&L) Antibody Peroxidase Conjugated Pre-adsorbed

## Overview

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| **Description:** | Donkey Anti-Goat IgG (H&L) Antibody Peroxidase Conjugated (Min X Ch GP Ham Hs Ms Rb & Rt Serum Proteins) - 605-703-125 |
| **Item No.:** | 605-703-125 |
| **Size:** | 1 mg |
| **Applications:** | ELISA, WB |
| **Reactivity:** | Goat |
| **Host Species:** | Donkey |

## Product Details

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| **Background:** | Anti-Goat IgG Peroxidase antibody generated in donkey detects goat IgG. 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 compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F (ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present. |
| **Synonyms:** | Donkey anti-Goat IgG Antibody Peroxidase conjugation, Donkey anti-Goat IgG HRP conjugated antibody |
| **Host Species:** | Donkey |
| **Specificity:** | IgG (H&L) |
| **Conjugate:** | Peroxidase (HRP) |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Reactivity:** | Goat |
| **Immunogen Type:** | Native Protein |

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| **Immunogen:** | Anti-Goat IgG (H&L) was produced by repeated immunization with Goat IgG whole molecule in donkey. |
| **Purity/Specificity:** | This product was prepared from monospecific antiserum 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-Donkey Serum, Goat IgG and Goat Serum. No reaction was observed against Chicken, Guinea Pig, Hamster, Horse, Mouse, Rabbit and Rat Serum Proteins. |
| **Relevant Links:** | • 605-703-125 SDS |

## Application Details

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| **Tested Applications:** | ELISA |
| **Suggested Applications:** | WB (Based on references) |
| **Application Note:** | Anti-Goat IgG Peroxidase Conjugated Antibody has been tested by ELISA and is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:170,000 |
| **IHC:** | 1:500 - 1:2,500 |
| **WB:** | 1:2,000 - 1:10,000 |

## Formulation

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

## Shipping & Handling

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| **Shipping Condition:** | 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


- Monette A. et al. Pan-retroviral Nucleocapsid-Mediated Phase Separation Regulates Genomic RNA Positioning and Trafficking. *Cell Rep.* (2020)
- Oud et al. Mutations in EXTL3 Cause Neuro-immuno-skeletal Dysplasia Syndrome. *American Journal of Human Genetics* (2017)
- Ellison et al. IFN-γ alters the expression of diverse immunity related genes in a cell culture model designed to represent maturing neutrophils. *PLOS One* (2017)
- Opperman CM et al. Tumor necrosis factor alpha stimulates p62 accumulation and enhances proteasome activity independently of ROS. *Cell Biol Toxicol.* (2015)
- Tarassishin L et al. Interleukin-1-induced changes in the glioblastoma secretome suggest its role in tumor progression. *Journal of Proteomics* (2014)
- Sishi BJN et al. Doxorubicin induces protein ubiquitination and inhibits proteasome activity during cardiotoxicity. *Toxicology.* (2013)
- Miller DS et al. Preclinical efficacy studies of influenza A haemagglutinin precursor cleavage loop peptides as a potential vaccine. *J Gen Virol.* (2011)


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