

**Datasheet for 005-0050****Goat IgG Agarose****Overview**

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| <b>Description:</b>  | Goat IgG Whole Molecule Agarose Conjugated - 005-0050 |
| <b>Item No.:</b>     | 005-0050                                              |
| <b>Size:</b>         | 10 mg                                                 |
| <b>Applications:</b> | SDS-PAGE                                              |
| <b>Origin:</b>       | Goat                                                  |

**Product Details**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>        | Goat IgG whole molecule Agarose Conjugated product is made from 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 complement 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. |
| <b>Synonyms:</b>          | Goat IgG Whole Molecule Agarose Conjugate, Goat IgG Agarose                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Species of Origin:</b> | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugate:</b>         | Agarose                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Format:</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Type:</b>              | Native Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

**Target Details**

|                            |                                                                                                                                                                                                  |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity/Specificity:</b> | This product is normal Goat IgG coupled to activated agarose. A single precipitin arc was observed against anti-Goat Serum when assayed by immunoelectrophoresis prior to coupling to the beads. |
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**Application Details**

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| <b>Tested Applications:</b> | SDS-PAGE                                                                                                               |
| <b>Application Note:</b>    | Goat IgG Agarose has been tested in SDS-Page and is suitable for immunoprecipitation and Immunoaffinity purifications. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.                        |

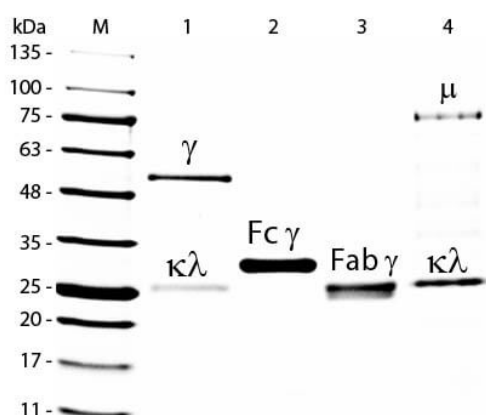
## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Suspension of agarose beads                                |
| <b>Concentration:</b>  | 14.2 mg/cc packed agarose antibody per cc agarose          |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.05% (w/v) Sodium Azide                                   |
| <b>Stabilizer:</b>     | None                                                       |

## Shipping & Handling

|                            |                                                       |
|----------------------------|-------------------------------------------------------|
| <b>Shipping Condition:</b> | Wet Ice                                               |
| <b>Storage Condition:</b>  | Store vial at 4° C prior to opening. DO NOT FREEZE.   |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt. |

## Images



### SDS-PAGE

SDS-PAGE of Goat IgG Whole Molecule Rhodamine Conjugated (p/n 005-0002). Lane M: 5 µL Opal Prestained Marker (p/n MB-210-0500). Lane 1: Reduced Goat IgG Whole Molecule Rhodamine Conjugated (p/n 005-0002). Lane 2: Reduced Goat IgG F(c) Fragment (p/n 005-0103). Lane 3: Reduced Goat IgG F(ab) Fragment (p/n 005-0105). Lane 4: Reduced Goat IgM Whole Molecule (p/n 005-0107). Load: 1 µg for IgG, F(c) and F(ab); 3 µg for IgM. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.

## Disclaimer

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