

## Datasheet for 008-0050

## Horse IgG Agarose

### Overview

|                     |                                                        |
|---------------------|--------------------------------------------------------|
| <b>Description:</b> | Horse IgG Whole Molecule Agarose Conjugated - 008-0050 |
| <b>Item No.:</b>    | 008-0050                                               |
| <b>Size:</b>        | 10 mg                                                  |
| <b>Origin:</b>      | Horse                                                  |

### Product Details

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Background:</b>        | Horse 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>          | Horse IgG Whole Molecule Agarose Conjugate, Horse IgG Agarose                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species of Origin:</b> | Horse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Conjugate:</b>         | Agarose                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Format:</b>            | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Type:</b>              | Native Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### Target Details

|                            |                                                                                                                                                      |
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| <b>Purity/Specificity:</b> | This product is an IgG whole molecule conjugated to activated agarose. Sufficient capacity is provided to bind a minimum of 10 mg of anti-Horse IgG. |
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### Application Details

|                          |                                                                                         |
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| <b>Application Note:</b> | Horse IgG Agarose is suitable for immunoprecipitation and Immunoaffinity purifications. |
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| <b>Assay Dilutions:</b> | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| <b>IP:</b>              | User Optimized                                                                                  |

## Formulation

|                        |                                                            |
|------------------------|------------------------------------------------------------|
| <b>Physical State:</b> | Suspension of agarose beads                                |
| <b>Buffer:</b>         | 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 |
| <b>Preservative:</b>   | 0.01% (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. |

## Disclaimer

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