

## Recombinant Mouse IgG Protein

**Cat. No.** IgG-745M    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse IgG protein without tag was expressed in HEK293.                                                                                                                                                         |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                     |
| <b>Description</b>      | Immunoglobulin G (IgG) is the major class of immunoglobulins. About three-quarters of all serum immunoglobulins belong to this class. IgG molecules consist of two heavy $\gamma$ and two light chains ( $2\gamma + 2L$ ). |
| <b>Form</b>             | Lyophilized                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | 24.3 kDa                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 98%                                                                                                                                                                                                                      |
| <b>Applications</b>     | WB; ELISA; FACS; FC                                                                                                                                                                                                        |
| <b>Stability</b>        | This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.                     |
| <b>Storage</b>          | At -20 centigrade.                                                                                                                                                                                                         |
| <b>Concentration</b>    | 1 mg/mL                                                                                                                                                                                                                    |

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|                       |                                                        |
|-----------------------|--------------------------------------------------------|
| <b>Storage Buffer</b> | PBS (pH 7.4-7.5). Sterile-filtered colorless solution. |
|-----------------------|--------------------------------------------------------|

|                       |                                                                                                                                                                                                                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reconstitution</b> | Reconstitute in sterile distilled H <sub>2</sub> O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance. |
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## GENE INFORMATION

|                        |     |
|------------------------|-----|
| <b>Official Symbol</b> | IgG |
|------------------------|-----|

|                 |                  |
|-----------------|------------------|
| <b>Synonyms</b> | IGHG1; IgG; IgG1 |
|-----------------|------------------|

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