antibodies

# Datasheet for ABIN302085 Mouse anti-Human IgG Fc (Fc Region) Antibody





Overview

| Quantity:            | 0.1 mg   |
|----------------------|--|
| Target:              | IgG Fc   |
| Binding Specificity: | Fc Region  |
| Reactivity:          | Human  |
| Host:                | Mouse  |
| Clonality:           | Monoclonal   |
| Application:         | ELISA, Western Blotting (WB), Flow Cytometry (FACS), Immunocytochemistry (ICC) |

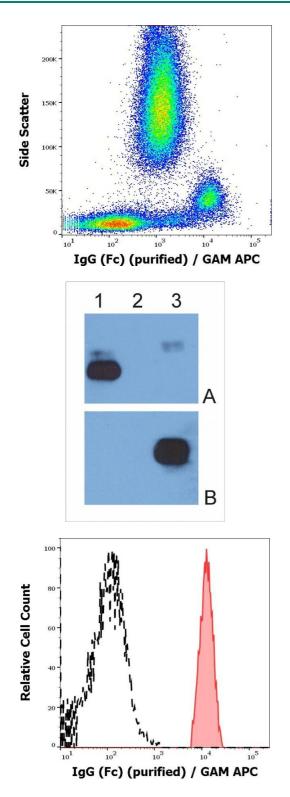
# Product Details

| Immunogen:                  | Fusion protein of human IgG Fc fragment.   |
|-----------------------------|--|
| Clone:                      | EM-07  |
| Isotype:                    | lgG1   |
| Specificity:                | The mouse monoclonal antibody EM-07 reacts with Fc part of human IgG heavy chain and with isolated Fc fragments. |
| Cross-Reactivity (Details): | Human, Other not determined. The antibody EM-07 does not crossreact with IgM.                                    |
| Purification:               | Purified by protein-A affinity chromatography.   |
| Purity:                     | > 95 % (by SDS-PAGE)   |
| Target Details              |  |

| Target:  | IgG Fc |
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| Target Details      |   |
|---------------------|---|
| Alternative Name:   | IgG (Fc)  |
| Target Type:        | Antibody  |
| Background:         | Immunoglobulin G (IgG) is a 150 kDa soluble protein that serves as a major effector molecule<br>of the humoral immune response in man. Its concentration in blood plasma of healthy<br>individuals is approximately 10 g/l, which accounts for about 75 % of the total plasma<br>immunoglobulins. IgG has the highest stability of blood immunoglobulins (T1/2 = 21 days) and<br>is able of placental transfer. IgG is secreted by plasma cells at a comparably high rate as other<br>immunoglobulins.,Immunoglobulin G Fc fragment |
| Molecular Weight:   | 150 kDa   |
| Application Details |   |
| Application Notes:  | Flow cytometry: Recommended dilution: 1-4 µg/mL.  |
| Restrictions:       | For Research Use only   |
| Handling            |   |
| Format:             | Liquid  |
| Concentration:      | 1 mg/mL   |
| Buffer:             | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide   |
| Preservative:       | Sodium azide  |
| Precaution of Use:  | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.  |
| Handling Advice:    | Do not freeze.  |
| Storage:            | 4 °C  |
| Storage Comment:    | Store at 2-8°C. Do not freeze.  |



## **Flow Cytometry**

**Image 1.** Flow cytometry surface staining pattern of human peripheral whole blood using anti-human IgG (Fc) (EM-07) purified antibody (concentration in sample 1  $\mu$ g/mL, GAM APC). The pattern varies depending on the blood donor.

### Western Blotting

**Image 2.** IgG  $\kappa$  light chain (1), IgG  $\lambda$  light chain (2) and IgG Fc fragment (3) purified from human serum were analysed by Western blotting with MEM-09 antibody against IgG  $\kappa$  light chain (A) and EM-07 antibody against IgG Fc fragment (B).

### **Flow Cytometry**

**Image 3.** Separation of human monocytes (red-filled) from CD3 negative IgG (Fc) positive lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human IgG (Fc) (EM-07) purified antibody (concentration in sample 1  $\mu$ g/mL, GAM APC). The pattern varies depending on the blood donor.

Please check the product details page for more images. Overall 5 images are available for ABIN302085.

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