

## Mouse anti-Human IgG (Fab) Antibody | anti-IgG antibody

Anti-Hu IgG (Fab) Biotin

|                               |                      |                            |                                                                              |
|-------------------------------|----------------------|----------------------------|------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA129335</b> | HOST<br><b>Mouse</b> | REACTIVITY<br><b>Human</b> | APPLICATIONS<br><b>ELISA, Western Blot, Flow Cytometry, Functional Assay</b> |
|-------------------------------|----------------------|----------------------------|------------------------------------------------------------------------------|

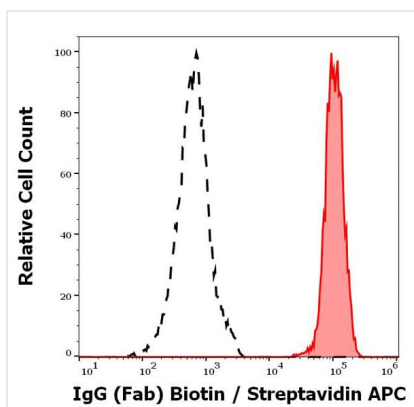
### PRODUCT SYNONYMS

IgG (Fab); Anti-Hu IgG (Fab) Biotin; Immunoglobulin G Fab fragment; anti-IgG antibody

### PRODUCT SPECIFICATIONS

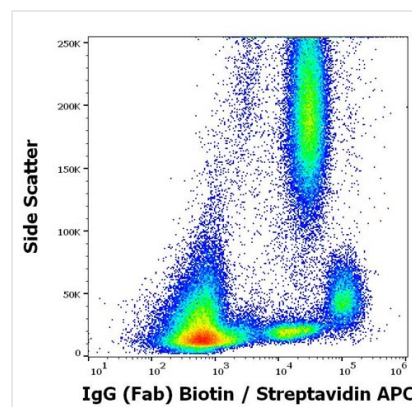
|                                               |                                                                                                                                                                           |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                          | Mouse                                                                                                                                                                     |
| Reactivity                                    | Human                                                                                                                                                                     |
| Isotype                                       | Mouse IgG2b                                                                                                                                                               |
| Clone Number                                  | 4A11                                                                                                                                                                      |
| Specificity                                   | The mouse monoclonal antibody 4A11 reacts with Fab fragment of human IgG. This antibody detects Fab fragments regardless light chain type.                                |
| Purity/Purification                           | Purified antibody is conjugated with biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography. |
| Form/Format                                   | Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide                                                                                                               |
| Concentration                                 | 1mg/ml (varies by lot)                                                                                                                                                    |
| Applicable Applications for anti-IgG antibody | ELISA, WB (Western Blot), FCM/FACS (Flow Cytometry)                                                                                                                       |
| Immunogen                                     | Purified human IgG.                                                                                                                                                       |
| Conjugation                                   | Biotin                                                                                                                                                                    |
| Preparation and Storage                       | Store at 2-8 degree C. Do not freeze.                                                                                                                                     |

### IMAGES



#### FCM/FACS (Flow Cytometry)

Separation of human monocytes (red-filled) from IgG (Fab) negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human IgG (Fab) Biotin antibody (concentration in sample 0.56ug/ml, Streptavidin APC).



#### FCM/FACS (Flow Cytometry)

Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human IgG (Fab) Biotin antibody (concentration in sample 0.56ug/ml, Streptavidin APC).

ADDITIONAL INFORMATION

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| Related Product Information for anti-IgG antibody | Immunoglobulin G (IgG) is a 150 kDa soluble protein that serves as a major effector molecule of the humoral immune response in man. Its concentration in blood plasma of healthy individuals is approximately 10 g/l, which accounts for about 75% of the total plasma immunoglobulins. IgG has the highest stability of blood immunoglobulins (T1/2 = 21 days) and is able of placental transfer. IgG is secreted by plasma cells at a comparably high rate as other immunoglobulins.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| References                                        | *Brinkmann V, Heusser CH: T cell-dependent differentiation of human B cells into IgM, IgG, IgA, or IgE plasma cells: high rate of antibody production by IgE plasma cells, but limited clonal expansion of IgE precursors. Cell Immunol. 1993 Dec;152(2):323-32., URL: <a href="https://www.ncbi.nlm.nih.gov/pubmed/8258141">https://www.ncbi.nlm.nih.gov/pubmed/8258141</a> ordina,*Balogh Z, Merétey K, Falus A, Bozsóky S: Serological abnormalities in juvenile chronic arthritis: a review of 46 cases. Ann Rheum Dis. 1980 Apr;39(2):129-34., URL: <a href="https://www.ncbi.nlm.nih.gov/pubmed/6966908">https://www.ncbi.nlm.nih.gov/pubmed/6966908</a> ordina,*Fuller JM, Keyser JW: Serum immunoglobulins after surgical operation. Clin Chem. 1975 May;21(6):667-71., URL: <a href="https://www.ncbi.nlm.nih.gov/pubmed/1122610">https://www.ncbi.nlm.nih.gov/pubmed/1122610</a> ordina,*Franklin EC: Structure and function of immunoglobulins. Acta Endocrinol Suppl (Copenh). 1975;194:77-95., URL: <a href="https://www.ncbi.nlm.nih.gov/pubmed/47690">https://www.ncbi.nlm.nih.gov/pubmed/47690</a> ordinalp, |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mouse-human-antibody/igg-fab/129335>