

**Product Name: FCGRT Mouse Monoclonal Antibody****Catalog #: AMM82138**

For research use only.

**Summary**

|                      |                                                                             |
|----------------------|-----------------------------------------------------------------------------|
| <b>Description</b>   | Mouse monoclonal Antibody                                                   |
| <b>Host</b>          | Mouse                                                                       |
| <b>Application</b>   | ELISA,FC                                                                    |
| <b>Reactivity</b>    | Human                                                                       |
| <b>Conjugation</b>   | Unconjugated                                                                |
| <b>Modification</b>  | Unmodified                                                                  |
| <b>Isotype</b>       | Mouse IgG2a                                                                 |
| <b>Clonality</b>     | Monoclonal                                                                  |
| <b>Form</b>          | Liquid                                                                      |
| <b>Concentration</b> | 1mg/ml                                                                      |
| <b>Storage</b>       | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>      | Ice bags                                                                    |
| <b>Buffer</b>        | Purified antibody in PBS with 0.05% sodium azide                            |
| <b>Purification</b>  | Affinity Purification                                                       |

**Application**

|                         |                                     |
|-------------------------|-------------------------------------|
| <b>Dilution Ratio</b>   | ELISA 1:5000-1:20000,FC 1:200-1:400 |
| <b>Molecular Weight</b> | 39.7kDa                             |

**Antigen Information**

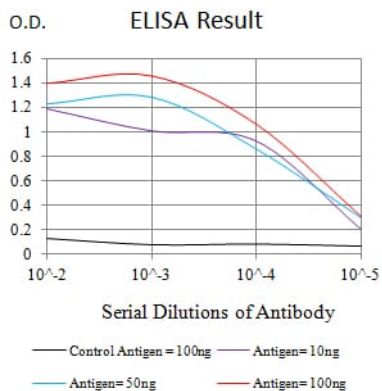
|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | FCGRT                                                                                 |
| <b>Alternative Names</b> | FCRN; alpha-chain                                                                     |
| <b>Gene ID</b>           | 2217.0                                                                                |
| <b>SwissProt ID</b>      | P55899                                                                                |
| <b>Immunogen</b>         | Purified recombinant fragment of human FCGRT (AA: extra 24-297) expressed in E. Coli. |

**Background**

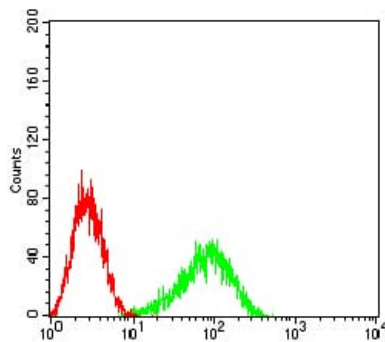
This gene encodes a receptor that binds the Fc region of monomeric immunoglobulin G. The encoded protein transfers immunoglobulin G antibodies from mother to fetus across the placenta. This protein also binds immunoglobulin G to protect the antibody from degradation. Alternative splicing results in multiple transcript variants.

## Research Area

## Image Data



Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Flow cytometric analysis of HL-60 cells using FCGRT mouse mAb (green) and negative control (red).