

## Product Datasheet

### Fc gamma R III antibody (orb613918)

## Description

Mouse monoclonal antibody to Fc gamma R

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Species/Host</b>        | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Reactivity</b>          | Human, Marmoset, Primate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Conjugation</b>         | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Tested Applications</b> | Blocking, FC, IHC, IP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>           | 3G8 was prepared by immunizing mice with human PMN (polymorphonuclear leukocytes) cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Target</b>              | Fc gamma receptor III                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Preservatives</b>       | PBS with 0.02% Proclin 300.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Concentration</b>       | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Storage</b>             | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Note</b>                | For research use only                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Application notes</b>   | 3G8 antibody was used to construct a recombinant bispecific scFv (bsscFv) along with the mAb clone F3.3 anti-HLA class II antibody (connected by a (Gly4Ser) <sub>4</sub> linker) which was expressed in SF21 insect cells. This bsscFv allows NK cells to target malignant B lymphoid cells and mediates effector cell lysis (ASCC) of the malignant cells (also lysis of primary leukaemia samples). 3G8 is also able to block neutrophil phagocytosis and stimulates NK cell proliferation, and can be used in FC, SPR, IP and IHC studies. |
| <b>Isotype</b>             | IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Clonality</b>           | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>              | Purified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Uniprot ID</b>          | <a href="#">Q9ULV2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Expiration Date</b>     | 12 months from date of receipt.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |