

Product Datasheet

Fc gamma RI/CD64 Antibody (H22) [PerCP] NBP2-81098PCP

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-81098PCP

Fc gamma RI/CD64 Antibody (H22) [PerCP]

| Product Information | |
|------------------------------------|--|
| Unit Size | 0.1 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | H22 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG Kappa |
| Conjugate | PerCP |
| Purity | Protein A purified |
| Buffer | PBS |
| Product Description | |
| Host | Rabbit |
| Gene ID | 2209 |
| Gene Symbol | FCGR1A |
| Species | Human |
| Specificity/Sensitivity | This immunotoxin is specific for human Fc gamma RI/CD64, and specifically an epitope outside the Fc binding domain. The binding activity of the VH/VL antibody format was unaffected by fusion of the m22(scFv) coding regions to the truncated ETA coding sequences |
| Immunogen | This recombinant antibody was prepared by cloning the single chain fragment (scFv) derived from the murine anti-human Fc gamma RI/CD64 mAb m22 into the bacterial expression vector pBM1.1, and fusing it to a deletion mutant of Pseudomonas exotoxin A. |
| Product Application Details | |
| Applications | Flow Cytometry, Immunocytochemistry/Immunofluorescence, Competitive ELISA |
| Recommended Dilutions | Flow Cytometry, Immunocytochemistry/Immunofluorescence, Competitive ELISA |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. This antibody binds human CD64 and can be bound to a toxin so that together it displays specific cytotoxicity, and thus can be used to selectively eliminate AML cells; FC analysis indicated that this immunotoxin drove 41% of primary leukemia cells from a patient with CD64-positive AML into early apoptosis (Tur, 2003). Similarly, in an in vivo mouse model, IHC analysis revealed efficient elimination of human CD64+ tumor cells in mouse organs (Tur, 2011). |



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Products Related to NBP2-81098PCP

| | |
|-------------|---------------------------------|
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| 1257-FC-050 | Fc gamma RI/CD64 [Unconjugated] |
| D6050 | IL-6 [HRP] |
| 285-IF-100 | IFN-gamma [Unconjugated] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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