

Product datasheet for **TA386085**

CD64 (FCGR1A) Human Monoclonal Antibody [Clone ID: H22]

Product data:

Product Type:	Primary Antibodies
Clone Name:	H22
Applications:	CT, FC
Reactivity:	Human
Host:	Human
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	This recombinant antibody was prepared by cloning the single chain fragment (scFv) derived from the murine anti-human CD64 mAb m22 into the bacterial expression vector pBM1.1, and fusing it to a deletion mutant of Pseudomonas exotoxin A (ETA).
Specificity:	<p>This immunotoxin is specific for human 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</p> <p>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).</p>
Formulation:	PBS with 0.02% Proclin 300.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Please store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. Avoid freeze and thaw cycles.
Stability:	3 years from dispatch.
Gene Name:	Fc fragment of IgG receptor Ia
Database Link:	Entrez Gene 2209 Human P12314



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Synonyms: CD64; CD64A; FCG1; FCGR1; FcRI; FLJ18345; IGFR1

Note: This chimeric human antibody was made using the variable domain sequences of the original IgG1 format, for improved compatibility with existing reagents, assays and techniques.