

Anti-Phosphatidylglucoside [rGL-7] Standard Size Ab00441-1.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric mouse antibody was made using the variable domain sequences of the original Human Fab format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Mouse IgG1, [Fc Silent™](#), Kappa

Clone Number: rGL-7

Alternative Name(s) of Target: PhGlc

UniProt Accession Number of Target Protein:

Published Application(s): IP, ELISA, IF

Published Species Reactivity: Human

Immunogen: Human Peripheral Lymphocytes (HPL).

Specificity: This antibody binds specifically to PhGlc.

Application Notes: This antibody binds to phosphatidylglucoside, a glyco-glycerophospholipid which is involved in the signalling leading to granulocyte differentiation. The antibody stimulates rapid tyrosine phosphorylation of the Src-family protein kinases Lyn and Hck.

Antibody First Published in: Natasuka et al. Carbohydrate-dependent signaling from the phosphatidylglucoside-based microdomain induces granulocytic differentiation of HL60 cells. Proceedings of the National Academy of Sciences 2003; 100(13):7454-7459 [PMID:12802014](#)

Note on publication: Describes the identification of a glycolipid component in granulocytic signalling leading to CD38 expression.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.