

DATASHEET

CD57 Mouse Monoclonal Antibody(C2546)

CAT. NO. AMA02158

KEY FEATURES

Target	CD57	Source / Host	Mouse
Reactivity	Human, Mouse, Rat, Monkey	Clonality	Monoclonal
Applications	WB, FC	Conjugation	Unconjugated
Form / Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.	Storage	at-20°C

BACKGROUND

Involved in the biosynthesis of L2/HNK-1 carbohydrate epitope on glycoproteins. Can also play a role in glycosaminoglycan biosynthesis. Substrates include asialo-orosomucoid (ASOR), asialo-fetuin, and asialo-neural cell adhesion molecule. Requires sphingomyelin for activity: stearyl-sphingomyelin was the most effective, followed by palmitoyl-sphingomyelin and lignoceryl-sphingomyelin. Activity was demonstrated only for sphingomyelin with a saturated fatty acid and not for that with an unsaturated fatty acid, regardless of the length of the acyl group.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:1000
FC	1:100 - 1:200

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

Description	Mouse monoclonal to CD57
Specificity	Recognizes endogenous levels of CD57 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD57 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 38 kD; Observed: 51 kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	GLCATP; Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; Beta-1,3-glucuronosyltransferase 1; Glucuronosyltransferase P; GlcAT-P; UDP-GlcUA:glycoprotein beta-1,3-glucuronosyltransferase; GlcUAT-P
Gene Symbol	B3GAT1
Entrez Gene	27087(Human); 117108(Rat)
SwissProt	Q9P2W7(Human); Q9CW73(Mouse); O35789(Rat)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

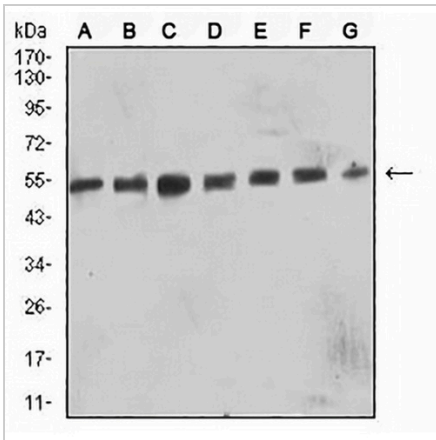
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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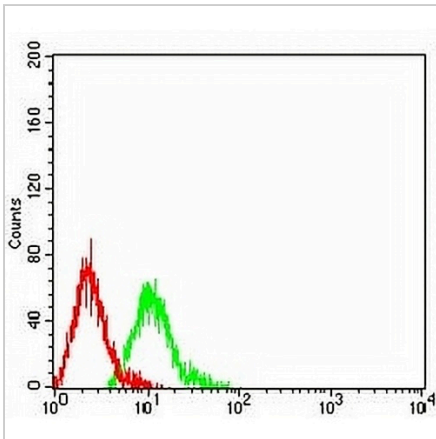
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Western blot analysis of CD57 expression in SKNSH (A), SHSY5Y (B), C6 (C), HL60 (D), COS7 (E), HeLa (F), NIH/3T3 (G) whole cell lysates. (Predicted band size: 38 kD; Observed band size: 51 kD)



Flow cytometric analysis of HL60 cells using Anti-CD57 Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.