

DATASHEET

CD354 Mouse Monoclonal Antibody(C3010)

CAT. NO. AMA02622

KEY FEATURES

Target	CD354	Source / Host	Mouse
Reactivity	Human, 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

Cell surface receptor that plays important roles in innate and adaptive immunity by amplifying inflammatory responses . Upon activation by various ligands such as PGLYRP1, HMGB1 or HSP70, multimerizes and forms a complex with transmembrane adapter TYROBP/DAP12 . In turn, initiates a SYK-mediated cascade of tyrosine phosphorylation, activating multiple downstream mediators such as BTK, MAPK1, MAPK3 or phospholipase C-gamma . This cascade promotes the neutrophil- and macrophage-mediated release of pro-inflammatory cytokines and/or chemokines, as well as their migration and thereby amplifies inflammatory responses that are triggered by bacterial and fungal infections .

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 CD354
Specificity	Recognizes endogenous levels of CD354 protein
Antibody Type	Primary antibody
Immunogen	Recombinant fusion protein of human CD354 expressed in E. Coli
Purification	This antibody is purified through a protein G column.
Molecular Weight	Predicted: 26 kD; Observed: 32 kD kD
Form/Buffer	Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	Triggering receptor expressed on myeloid cells 1; TREM-1; Triggering receptor expressed on monocytes 1; CD354
Gene Symbol	TREM1
Entrez Gene	54210(Human)
SwissProt	Q9NP99(Human)

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

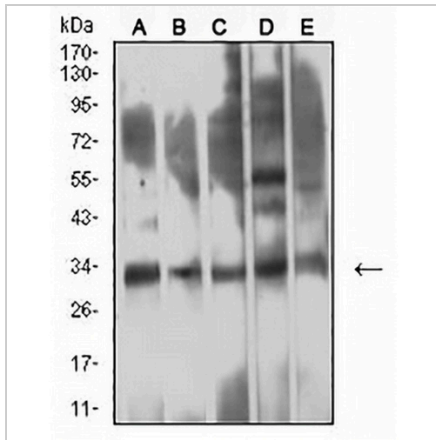
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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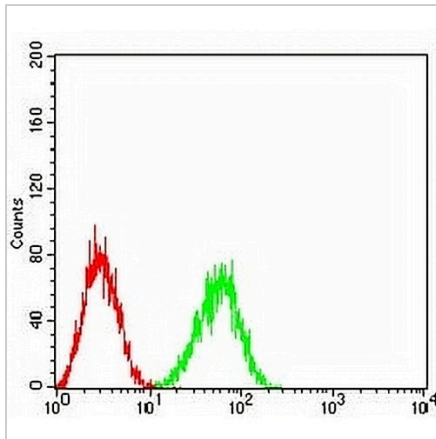
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Western blot analysis of CD354 expression in HepG2 (A), COS7 (B), A549 (C), SPCA1 (D), C6 (E) whole cell lysates. (Predicted band size: 26 kD; Observed band size: 32 kD)



Flow cytometric analysis of HL60 cells using Anti-CD354 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.