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# Datasheet for ABIN560554 anti-CD55 antibody (AA 35-134)

5 Images

1 Publication



### Overview

Quantity:	100 µg
Target:	CD55
Binding Specificity:	AA 35-134
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD55 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Proximity Ligation Assay (PLA)

## Product Details

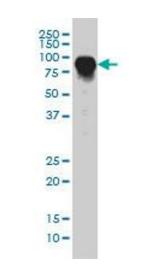
Purpose:	Mouse monoclonal antibody raised against a partial recombinant DAF.
Immunogen:	DAF (NP_000565, 35 a.a. ~ 134 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence:	DCGLPPDVPN AQPALEGRTS FPEDTVITYK CEESFVKIPG EKDSVICLRG SQWSDIEEFC NRSCEVPTRL NSASLKQPYI TQNYFPVGTV VEYECRPGYR
Clone:	1G3
lsotype:	lgG1
Cross-Reactivity:	Human
Characteristics:	Antibody Reactive Against Recombinant Protein.

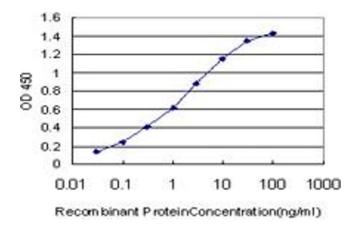
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## Target Details

Target:	CD55
Alternative Name:	CD55 (CD55 Products)
Background:	Full Gene Name: CD55 Molecule, decay accelerating factor for complement (Cromer blood
	group)
	Synonyms: CR,CROM,DAF,TC
Gene ID:	1604
NCBI Accession:	NM_000574
Pathways:	Complement System, Regulation of Leukocyte Mediated Immunity
Application Details	
Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only
Handling	
Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Publications	
Product cited in:	Asanov, Zepeda, Vaca: "A novel form of Total Internal Reflection Fluorescence Microscopy (LG
	TIRFM) reveals different and independent lipid raft domains in living cells." in: Biochimica et
	highly size acts Val 1901 Jacus 2 pp 147 FE (2010) (PubMad)

biophysica acta, Vol. 1801, Issue 2, pp. 147-55, (2010) (PubMed).



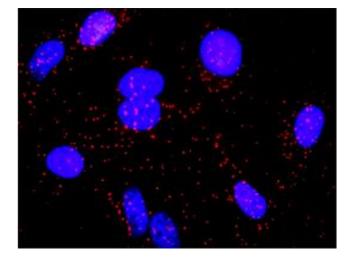


## Western Blotting

**Image 1.** DAF monoclonal antibody (M01), clone 1G3 Western Blot analysis of DAF expression in HeLa.

#### **ELISA**

**Image 2.** Detection limit for recombinant GST tagged DAF is approximately 0.03ng/ml as a capture antibody.



#### **Proximity Ligation Assay**

**Image 3.** Proximity Ligation Analysis of protein-protein interactions between LCK and CD55. HeLa cells were stained with anti-LCK rabbit purified polyclonal 1:1200 and anti-CD55 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Please check the product details page for more images. Overall 5 images are available for ABIN560554.

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