

For Research Use Only

MAEA Recombinant antibody

Catalog Number: 83267-2-RR



Basic Information

Catalog Number: 83267-2-RR	GenBank Accession Number: BC001225	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10296	CloneNo.: 240097C9
Source: Rabbit	UNIPROT ID: Q7L5Y9	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: macrophage erythroblast attacher	
Immunogen Catalog Number: AG27150	Calculated MW: 45 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : HeLa cells, MCF-7 cells, Jurkat cells, HepG2 cells, U2OS cells, A549 cells, LNCaP cells
Species Specificity: human	

Background Information

MAEA (macrophage erythroblast attacher) is a core component of the CTLH E3 ubiquitin-protein ligase complex. MAEA is required for normal cell proliferation and plays a role in erythroblast enucleation during erythrocyte maturation and in the development of mature macrophages. N-terminus MAEA and full-length MAEA are mostly expressed in nuclear and can be detected at low level in the cytoplasm of some cells, while C-terminus MAEA can be detected in the cytoplasm and nucleoli within the nucleus. MAEA mediates the attachment of erythroid cell to mature macrophages which can inhibit erythroid cell apoptosis. The expression of MAEA may be associated with the type 2 diabetes mellitus. (PubMed: 28955747, 24143168, 29911972, 29911972, 30674470, 9763581).

Storage

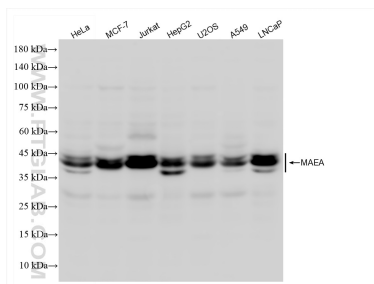
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

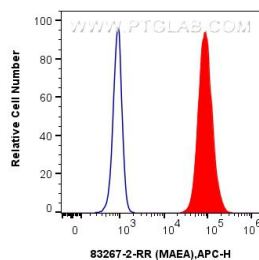
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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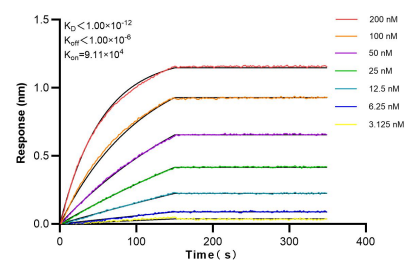
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83267-2-RR (MAEA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 U-251 cells were intracellularly stained with 0.25 μ g MAEA Recombinant Antibody (83267-2-RR, Clone:240097C9) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 83267-2-RR against Human MAEA were performed. The affinity constant is below 1 pM.