

For Research Use Only

MAEA Recombinant antibody, PBS Only (Capture)



Catalog Number: 83267-1-PBS

Basic Information

Catalog Number: 83267-1-PBS	GenBank Accession Number: BC001225	Purification Method: Protein A purification
Size: 100ug , Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 10296	CloneNo.: 240097B2
Source: Rabbit	UNIPROT ID: Q7L5Y9	Affinity: $K_D < 1.00 \times 10^{-12}M$
Isotype: IgG	Full Name: macrophage erythroblast attacher	$K_{off} < 1.00 \times 10^{-6}M$
Immunogen Catalog Number: AG27150	Calculated MW: 45 kDa	$K_{on} = 9.49 \times 10^4M$

Applications

Tested Applications:
Indirect ELISA, Cytometric bead array, WB

Species Specificity:
mouse, human

Product Information

83267-1-PBS targets MAEA as part of a matched antibody pair:

MP00233-1: 83267-1-PBS capture and 83267-3-PBS detection (validated in Cytometric bead array)

MP00233-2: 83267-1-PBS capture and 83267-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

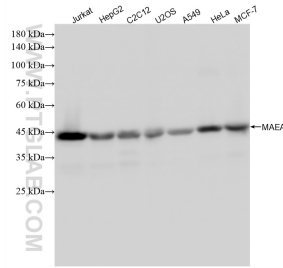
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

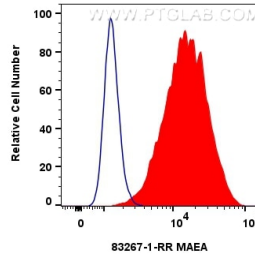
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

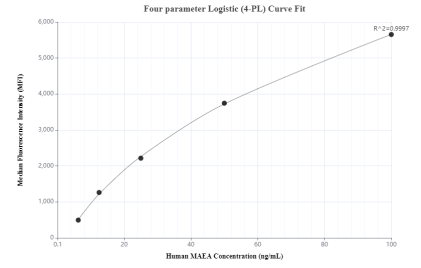
Selected Validation Data



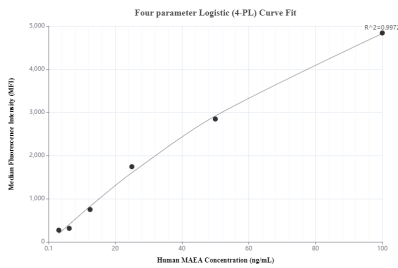
Various lysates were subjected to SDS PAGE followed by western blot with 83267-1-RR (MAEA antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 83267-1-PBS in a different storage buffer formulation.



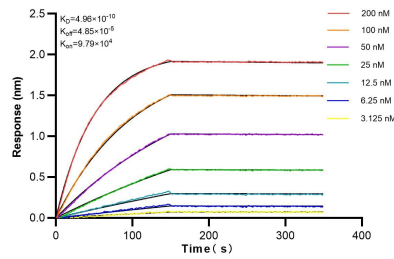
1×10^6 U-251 cells were intracellularly stained with 0.25 μ g MAEA Recombinant antibody (83267-1-RR, Clone:240097B2) and CoraLite[®]488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2)(red), or 0.25 μ g Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011). This data was developed using the same antibody clone with 83267-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP00233-1, MAEA Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83267-1-PBS. Detection antibody: 83267-3-PBS. Standard: Ag27150. Range: 2.5-100 ng/mL.



Cytometric bead array standard curve of MP00233-2, MAEA Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83267-1-PBS. Detection antibody: 83267-2-PBS. Standard: Ag27150. Range: 1.25-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 83267-1-RR against Human MAEA were performed. The affinity constant is 0.496 nM.