

For Research Use Only

MAGEA4 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84248-4-PBS



Basic Information

Catalog Number: 84248-4-PBS	GenBank Accession Number: BC017723	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 4103	CloneNo.: 241558G7
Source: Rabbit	UNIPROT ID: P43358	
Isotype: IgG	Full Name: melanoma antigen family A, 4	
Immunogen Catalog Number: AG3193	Calculated MW: 317 aa, 35 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
WB, FC (Intra), Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

84248-4-PBS targets MAGEA4 as part of a matched antibody pair:

MP01144-1: 84248-4-PBS capture and 84248-5-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.

Background Information

MAGEA4, also named MAGE4 and CT1.4, is one of the germ cell-specific markers (PMID:16540528). SMAGEA4 is one of the subgroup I MAGEAs members which may play important roles in the immune surveillance of certain tumor types and play important roles during embryogenesis.(PMID:15222021) The antibody is specific to MAGEA4.

Storage

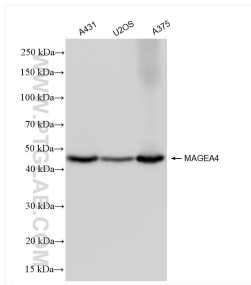
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

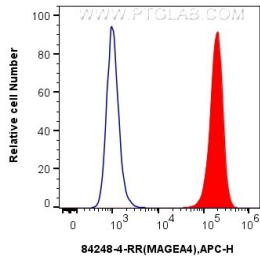
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

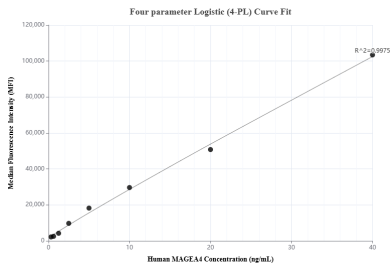
Selected Validation Data



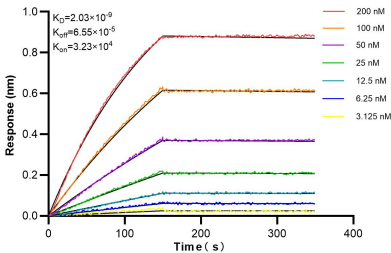
Various lysates were subjected to SDS PAGE followed by western blot with 84248-4-RR (MAGEA4 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84248-4-PBS in a different storage buffer formulation.



1x10⁶ A431 cells were intracellularly stained with 0.25 ug MAGEA4 Recombinant antibody (84248-4-RR, Clone:241558G7) and APC-Conjugated Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Rabbit IgG Isotype Control Recombinant Antibody (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 84248-4-PBS in a different storage



Cytometric bead array standard curve of MP01144-1, MAGEA4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84248-4-PBS. Detection antibody: 84248-5-PBS. Standard: Ag3193. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84248-4-RR against Human MAGEA4 were performed. The affinity constant is 2.03 nM.