abcam

Product datasheet

Anti-TIM 4 antibody [EPR22304-3] ab222093

Recombinant RabMAb

3 Images

Overview

Product name	Anti-TIM 4 antibody [EPR22304-3]
Description	Rabbit monoclonal [EPR22304-3] to TIM 4
Host species	Rabbit
Tested applications	**Suitable for:** ICC/IF, Flow Cyt **Unsuitable for:** IHC-P,IP or WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	ICC/IF: HEK-293T cells. Flow Cyt: HEK-293T cells.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: PBS, 0.05% BSA, 40% Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR22304-3
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab222093 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		1/100.
Flow Cyt		1/500.

Application notes Is unsuitable for IHC-P,IP or WB.

Target

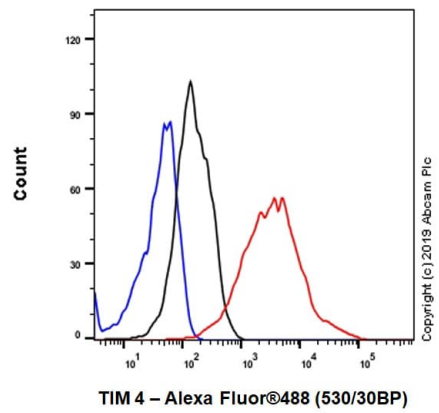
Function Phosphatidylserine receptor that enhances the engulfment of apoptotic cells. Involved in regulating T-cell proliferation and lymphotoxin signaling. Ligand for HAVCR1/TIMD1.

Sequence similarities Belongs to the immunoglobulin superfamily. TIM family.
Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Domain Recognizes phosphatidyl serine via its immunoglobulin domain.

Cellular localization Membrane.

Images

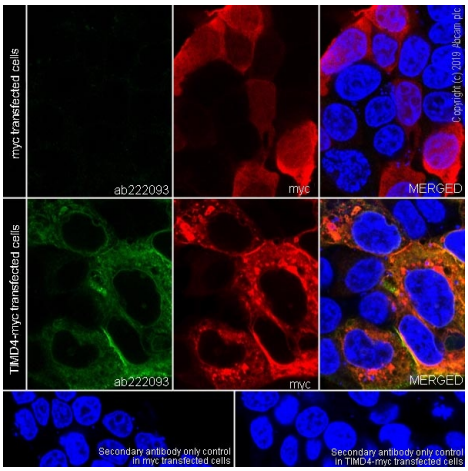


Flow Cytometry - Anti-TIM 4 antibody [EPR22304-3] (ab222093)

Flow cytometric analysis of 4% paraformaldehyde-fixed HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) transfected with a myc-tagged TIM 4 expression construct labeling TIM 4 with ab222093 at 1/500 dilution (Red) compared with a Rabbit monoclonal IgG (**ab172730**, Black) and an unlabeled control (cells without incubation with primary antibody and secondary antibody, Blue).

Cells were surface stained with ab222093. Then fixed with 2% PFA for 10min, followed by intracellular staining of anti-myc tag conjugated to Alexa Fluor®647.

Gated on myc -positive population.



Immunocytochemistry/ Immunofluorescence - Anti-TIM 4 antibody [EPR22304-3] (ab222093)

Immunofluorescent analysis of 4% paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized TIM 4 transfected HEK-293T (Human epithelial cell line from embryonic kidney transformed with large T antigen) cells labeling TIM 4 (Green) with ab222093 at 1/100 dilution, followed by AlexaFluor®488 Goat anti-Rabbit secondary (**ab150077**) antibody at 1/1000 dilution. Confocal image showing positive staining in HEK-293T cells transfected with a myc-tagged TIM 4 expression construct. myc-Tag (9B11) Mouse mAb (Alexa Fluor® 594 Conjugate) (**ab223894**) was used as the counterstain (Red) at 1/100 dilution. The nuclear counterstain was DAPI (Blue).

Negative control: Myc only transfected HEK-293T cells.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is AlexaFluor®488 Goat anti-Rabbit secondary (**ab150077**).

Anti-TIM 4 antibody [EPR22304-3] (ab222093)

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