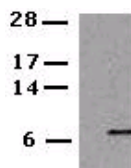


## Anti-Human TARP Purified

Catalog Number: 14-8868

Also Known As: T Cell Receptor  $\gamma$  Chain Alternate Reading Frame Protein

RUO: For Research Use Only



Untreated (left lane) and Vitamin A-treated (right lane) LNCaP cell lysates were loaded at  $1 \times 10^5$  cells/lane, probed with 2  $\mu\text{g/mL}$  Anti-Human TARP Purified and revealed with Anti-Mouse IgG HRP.

### Product Information

Contents: Anti-Human TARP Purified

 Catalog Number: 14-8868

Clone: eBioTP1 (TP1, a.k.a 1F8)

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG2a

Formulation: aqueous buffer, 0.09% sodium azide, contains carrier protein/stabilizer if necessary



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

### Description

The eBioTP1 monoclonal antibody recognizes human T Cell Receptor  $\gamma$  Chain Alternate Reading Frame Protein (TARP). The TARP gene is embedded in the TCR  $\gamma$  locus and its transcript originates within an intron just upstream of the J  $\gamma$  1.2 segment. TARP, which is 58 amino acids and 7 kDa in size, is localized to the mitochondria and expressed exclusively in normal prostate, and in prostate and breast cancers. Furthermore, the expression of TARP is regulated by androgen in cell lines.

### Applications Reported

This eBioTP1 (TP1, a.k.a 1F8) antibody has been reported for use in immunoblotting (WB), and immunohistochemical staining.

### Applications Tested

This eBioTP1 (TP1, a.k.a 1F8) antibody has been tested by western blot analysis of vitamin A-treated LNCaP cells. This antibody can be used at 2  $\mu\text{g/mL}$  as a starting concentration, however it is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

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Maeda H, Nagata S, Wolfgang CD, Bratthauer GL, Bera TK, Pastan I. The T cell receptor  $\gamma$  chain alternate reading frame protein (TARP), a prostate-specific protein localized in mitochondria. *J Biol Chem*. 2004 Jun 4;279(23):24561-8. (TP1, mAb development, WB, IHC, PubMed)

Cheng WS, Kraaij R, Nilsson B, van der Weel L, de Ridder CM, Totterman TH, Essand M. A novel TARP-promoter-based adenovirus against hormone-dependent and hormone-refractory prostate cancer. *Mol Ther*. 2004 Aug;10(2):355-64.

Carlsson B, Totterman TH, Essand M. Generation of cytotoxic T lymphocytes specific for the prostate and breast tissue antigen TARP. *Prostate*. 2004 Oct 1;61(2):161-70.

### Related Products

14-4724 Mouse IgG2a K Isotype Control Purified

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