

**DESCRIPTION**

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human TPT1/TCTP in direct ELISAs.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 488410
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human TPT1/TCTP Met1-Cys172 Accession # P13693
<b>Conjugate</b>	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
<b>Formulation</b>	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide

\*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

**APPLICATIONS**

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

**Immunohistochemistry** Optimal dilution of this antibody should be experimentally determined.

**PREPARATION AND STORAGE**

**Shipping** The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

**Stability & Storage** Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

**BACKGROUND**

TPT1 (translationally controlled tumor protein 1; also TCTP, HRF and fortilin) is a 23 kDa member of the TCTP family of calcium-binding proteins. It is widely expressed (but not in kidney), and apparently serves as a transcriptional activator, calcium transporter, histamine inducer and antiapoptotic, caspase-3 inhibitor. Human TPT1 is 172 amino acids (aa) in length, with multiple potential splice variants. There is an alternate start site at Met35 that may be accompanied by a deletion of aa 99-172. In addition, there may be either a 25 aa or 16 aa C-terminal extension after Cys172. Over aa 1-172, human TPT1 is 96% aa identical to mouse TPT1.

**PRODUCT SPECIFIC NOTICES**

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