

## Anti-MAP1D Antibody (1T200)

## Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1T200
Purification:	Protein A

## Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

## Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human MAP1D protein (TMPY-01344)
Antigen Species:	Human
Synonyms:	methionyl aminopeptidase type 1D (mitochondrial);Metap1l;MetAP 1D;MAP 1D;MAP1D

## Research Background

Methionine aminopeptidase 1D, also known as MAP1D, is a member of the peptidase M24A family. N-terminal methionine removal is an important cellular process required for proper biological activity, subcellular localization, and eventual degradation of many proteins. The enzymes that catalyze this reaction are called Methionine aminopeptidases (MAPs). MAP1D is overexpressed in colon cancer cell lines and colon tumors as compared to normal tissues (at protein level). Downregulation of MAP1D expression by shRNA in HCT-116 colon carcinoma cells reduces anchorage-independent growth in soft agar. MAP1D binds two cobalt ions per subunit. The true nature of the physiological cofactor is under debate. MAP1D is also active with zinc, manganese, or divalent ions. MAP1D removes the amino-terminal methionine from nascent proteins. It may also play an important role in colon tumorigenesis.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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