



## Thiopurine S Methyltransferase (TPMT)

### Catalog number

T5009-95B

### Supplier

United States Biological

TPMT (thiopurine S-methyltransferase) is an enzyme that catalyzes the S-methylation of aromatic and heterocyclic sulfhydryl compounds, including the immunosuppressant azathioprine (AZA) and the antineoplastic agents 6-mercaptopurine (6MP) and 6-thioguanine (6TG). The enzyme is also involved in the normal metabolic inactivation of thiopurine drugs. Patients with intermediate or no TPMT activity are at risk of toxicity after receiving standard doses of thiopurine drugs.

### Applications

Suitable for use in ELISA and Western Blot. Other applications not tested.

### Recommended Dilution

ELISA: 0.05-0.2ug/ml

Western Blot: 0.5-1ug/ml

Optimal dilutions to be determined by the researcher.

### Storage and Stability

Lyophilized powder may be stored at -20°C. Reconstitute with sterile 40-50% glycerol, aliquot and store at -20°C. Reconstituted product is stable for 12 months at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

### Immunogen

Synthetic peptide (KLH). within residues 200-250 of human TPMT protein (Swiss Prot: P51580).

### Formulation

Supplied as a lyophilized powder in PBS, pH 7.4, 0.02% sodium azide.

### Purity

Purified by immunoaffinity chromatography.

### Specificity

Recognizes human TPMT protein.

### Product Type

Pab

### Source

human

### Isotype

IgG



**Grade**

Affinity Purified

**Crossreactivity**

Hu

**Storage**

-20°C