

## Product datasheet

anti-TKT (Transketolase) mouse monoclonal, VW-1B1-A8-F4, lyophilized, purified

### Short overview

<b>Cat. No.</b>	610174
<b>Quantity</b>	50 µg
<b>Concentration</b>	50 µg/ml after reconstitution with 1 ml dist. water

### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG2a kappa
<b>Clone</b>	VW-1B1-A8-F4
<b>Immunogen</b>	HPLC purified peptide from TKT
<b>Formulation</b>	Lyophilized; reconstitute in 1 ml dist. water (final solution contains 0.09% sodium azide, 0.5% BSA in PBS buffer, pH 7.4)
<b>UniprotID</b>	P29401 (Human)
<b>Synonym</b>	Transketolase, TK, EC 2.2.1.1, TKT
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Affinity chromatography
<b>Storage before reconstitution</b>	2-8°C until indicated expiry date
<b>Storage after reconstitution</b>	Up to 3 months at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	ICC/IF, IHC, WB
<b>Reactivity</b>	Human

### Applications

<b>Immunocytochemistry (ICC)</b>	Assay dependent
<b>Immunohistochemistry (IHC) - frozen</b>	1:50
<b>Western Blot (WB)</b>	Assay dependent

### Background

Transketolase dependent reactions regulate the non-oxidative part of the pentose-phosphate-pathway (PPP) in glucose metabolism. This pathway generates NADPH and pentose phosphates. The latter are important for nucleic acid metabolism. Beside the ubiquitous Transketolase (TKT) other Transketolase-like proteins exist.

Reactivity on cultured cell lines: HepG2.

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## Product images



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