

## Product datasheet for **AM50026PU-S**

### PFKM Mouse Monoclonal Antibody [Clone ID: AT2F11]

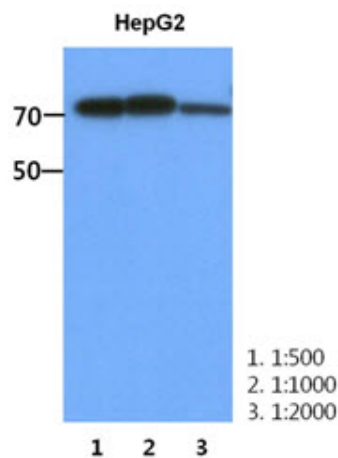
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	AT2F11
Applications:	ELISA, FC, WB
Recommended Dilution:	<b>ELISA.</b> <b>Western blot:</b> 1/500-1/2000. Recommended Saring Dilution: 1/2000. <b>Flow Cytometry.</b>
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant Human PFKM (1-780aa) purified from <i>E. coli</i>
Specificity:	This Monoclonal antibody recognizes Human PFKM. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	phosphofructokinase, muscle
Database Link:	<a href="#">Entrez Gene 5213 Human P08237</a>



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<b>Background:</b>	PFKM (phosphofructokinase, muscle) is a regulatory glycolytic enzyme that convert fructose 6-phosphate and ATP into fructose 1,6-bisphosphate (through PFK-1), fructose 2,6-bisphosphate (through PFK-2) and ADP. Three phosphofructokinase isozymes exist in humans: muscle, liver and platelet. Mutations in this gene have been associated with glycogen storage disease type VII, also known as Tarui disease.
<b>Synonyms:</b>	Phosphofructokinase-M, Phosphohexokinase, Phosphofructokinase 1, PFK1, PFK-1, PFK-A, PFKX, GSD7
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Fructose and mannose metabolism, Galactose metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Pentose phosphate pathway

**Product images:**

The HepG2 cell lysate (30ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-Human PFKM antibody (1/500~1/2000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.