

## Datasheet for 200-1378

## Pyruvate Kinase Peroxidase Conjugated Antibody

### Overview

<b>Description:</b>	Anti-Pyruvate Kinase (Rabbit Muscle) (GOAT) Peroxidase Conjugated Antibody (BULK ORDER) - 200-1378
<b>Item No.:</b>	200-1378
<b>Size:</b>	20 mg
<b>Reactivity:</b>	Rabbit
<b>Host Species:</b>	Goat

### Product Details

<b>Background:</b>	Pyruvate Kinase is an enzyme involved in glycolysis. It catalyzes the transfer of a phosphate group from phosphoenolpyruvate (PEP) to ADP, yielding one molecule of pyruvate and one molecule of ATP. Genetic defects of this enzyme cause the disease known as pyruvate kinase deficiency and can cause hemolytic anemia.
<b>Synonyms:</b>	goat anti-Pyruvate Kinase Antibody, HRP Conjugated goat anti-Pyruvate Kinase Antibody, Pyruvate kinase isozymes M1/M2 antibody, Pyruvate kinase muscle isozyme antibody, Pyruvate kinase 2/3 antibody, Cytosolic thyroid hormone-binding protein antibody, PKM2
<b>Host Species:</b>	Goat
<b>Conjugate:</b>	Peroxidase (HRP)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

### Target Details

<b>Gene Name:</b>	PKM
<b>Reactivity:</b>	Rabbit
<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	Pyruvate Kinase [Rabbit Muscle]

**Purity/Specificity:** Pyruvate Kinase is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Goat Serum as well as purified and partially purified Pyruvate Kinase [Rabbit Muscle]. This product has been reported to react with all forms of pyruvate kinase (pan M-PK). Cross reactivity against Pyruvate Kinase from other tissues and species may occur but have not been specifically determined.

**Relevant Links:**

- [UniProtKB - P11974](#)
- [NCBI - NP\\_001182574.1](#)
- [GeneID - 100008676](#)

## Application Details

**Application Note:** Anti-Pyruvate Kinase has been assayed against 1.0 ug of Pyruvate Kinase [Rabbit Muscle] in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:15,000 to 1:60,000 of the reconstitution concentration is suggested for this product.

**Assay Dilutions:** All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

**ELISA:** 1:4,000 - 1:20,000

**WB:** 1:500 - 1:2,000

## Formulation

**Physical State:** Lyophilized

**Concentration:** 10 mg/mL by UV absorbance at 280 nm

**Buffer:** 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

**Preservative:** 0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!

**Stabilizer:** 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

**Reconstitution Volume:** 2.0 mL

**Reconstitution Buffer:** Restore with deionized water (or equivalent)

## Shipping & Handling

**Shipping Condition:** Ambient

<b>Storage Condition:</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Disclaimer

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