

Product Specification Sheet

Product: Peroxidase Conjugated IgG fraction of anti-Aldolase [Rabbit Muscle] [Goat]

Code: 200-1341

Lot # 4055

Size: 20 mg

Physical State: Lyophilized

Antibody Concentration: 10.0 mg/ml (by UV absorbance at 280 nm)

Label: Horseradish Peroxidase (HRP)

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

Stabilizer: 10 mg/ml BSA

Preservative: 0.01% (w/v) Gentamicin Sulfate

Application(s): Suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays.

Recommended Dilution(s): This product has been assayed against 1.0 µg of Aldolase [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 1:1,000 to 1:2,000 of the reconstitution concentration is suggested for this product. Optimal titers for other applications should be determined by the researcher.

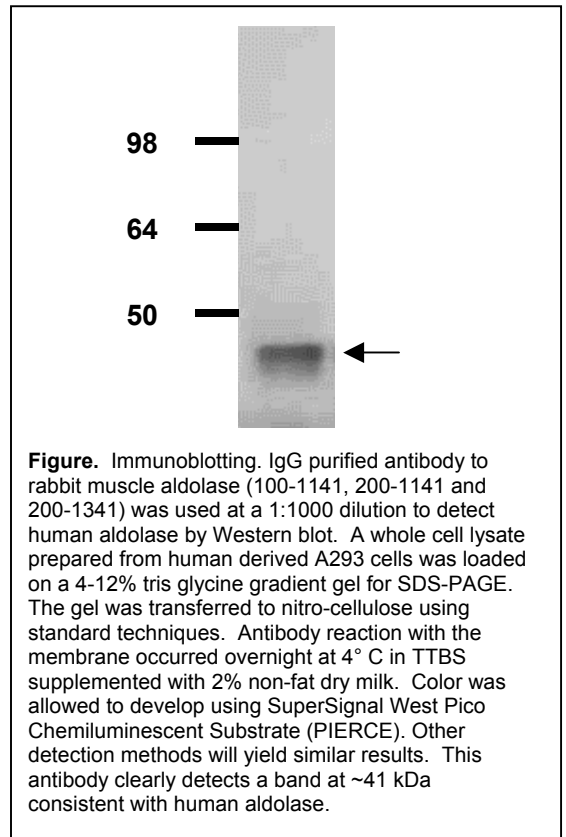
Storage Conditions: Store vial at 4° C prior to restoration. Restore with 2.0 ml of deionized water (or equivalent). For extended storage mix product with 50% glycerol and then aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear 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. Expiration date is one (1) year from date of restoration.

Purity and Specificity: This product 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 Aldolase [Rabbit Muscle]. This antibody will detect human Aldolase. Cross reactivity against Aldolase from other tissues and species may also occur. It has been reported that this antibody can detect human Aldolase on immunoblot showing a 41 kDa band in lysates from MCF7, NMB231 and HBL100 cell lines.

Immunogen: Aldolase [Rabbit Muscle]

Antibody Reference: Zaman et al., (1999) *J. Neurosci* **19** (22):9821-9830

Conjugation Reference: Farr & Nakane, *J. Immunol. Methods* **47**; 129-144. 1981.



Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.