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Datasheet for 200-4171S

# L-Asparaginase Antibody

## Overview

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| **Description:** | Anti-L-Asparaginase (RABBIT) Antibody - 200-4171S |
| **Item No.:** | 200-4171S |
| **Size:** | 25 µL |
| **Applications:** | ELISA, WB |
| **Reactivity:** | E. coli |
| **Host Species:** | Rabbit |

## Product Details

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| **Background:** | L-Asparaginase antibody detects bacterial Asparaginase. Asparaginase is an enzyme that catalyzes the hydrolysis of asparagine to aspartic acid. Asparaginases are naturally occurring enzymes expressed and produced by microorganisms. Colaspase is also known as L-asparaginase (E. coli). Anti-L-Asparaginase antibody is ideal for investigators involved enzyme research. |
| **Synonyms:** | rabbit anti-L-Asparaginase Antibody, L ASNase II antibody, AnsA antibody, AnsB antibody, Colaspase antibody, Cytoplasmic asparaginase I antibody, L ASNase I antibody, L asparaginase II precursor antibody, L asparagine amidohydrolase I antibody |
| **Host Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **Format:** | IgG |

## Target Details

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| **Gene Name:** | ansB |
| **Reactivity:** | E. coli |
| **Immunogen Type:** | Native Protein |
| **Immunogen:** | Asparaginase [E. coli] |

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| **Purity/Specificity:** | Anti-L-Asparaginase antibody 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-Rabbit Serum as well as purified and partially purified Asparaginase [E. coli]. Cross reactivity against Asparaginase from other tissues and species may occur but have not been specifically determined. |
| **Relevant Links:** | • UniProtKB - P00805<br>• NCBI - P00805.2<br>• GeneID - 1039460 |

## Application Details

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| **Tested Applications:** | ELISA, WB |
| **Application Note:** | Anti-L-Asparaginase antibody has been tested by ELISA and western blot and is assayed in western blot and against 1.0 ug of Asparaginase [E. coli] in a standard ELISA using Peroxidase conjugated Affinity Purified anti-Rabbit IgG [H&L] (Goat) and (ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:100,000 to 1:400,000 is suggested for this product. |
| **Assay Dilutions:** | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below. |
| **ELISA:** | 1:5,000 - 1:25,000 |
| **IP:** | 1:100 |
| **WB:** | 1:500 - 1:3,000 |

## Formulation

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| **Physical State:** | Liquid (sterile filtered) |
| **Concentration:** | 1.0 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) Sodium Azide |
| **Stabilizer:** | None |

## Shipping & Handling

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| **Shipping Condition:** | Dry Ice |

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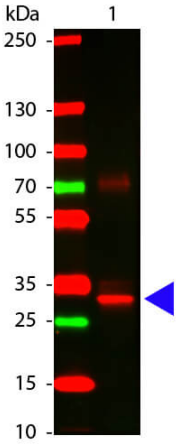
| **Storage Condition:** | Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing. |
| **Expiration:** | Expiration date is one (1) year from date of receipt. |

## Images




**Western Blot**
Western Blot of Rabbit anti-L-Asparaginase Antibody. Lane 1: L-Asparaginase. Lane 2: none. Load: 100 ng per lane. Primary antibody: L-Asparaginase antibody at 1:1000 for overnight at 4°C. Secondary antibody: DyLight™ 649 rabbit secondary antibody at 1:20,000 for 30 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 32 kDa for L-Asparaginase. Other band(s): L-Asparaginase splice variants and isoforms.

## Disclaimer