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# Product datasheet for R1118BS

## ABC3735 Goat Polyclonal Antibody

### Product data:

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| **Product Type:** | Primary Antibodies |
| **Applications:** | ELISA, IP, WB |
| **Recommended Dilution:** | **Western blot**: 1/500-1/1000.<br>**ELISA:** 1/1000-1/2500;<br>This antibody has been assayed against 1.0 ug of uricase in a standard capture ELISA using peroxidase conjugated streptavidin and ABTS as a substrate for 30 minutes at room temperature.<br>**Immunoprecipitation**: 1:100. |
| **Reactivity:** | Bacillus sp. |
| **Host:** | Goat |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Uricase from Bacillus species |
| **Specificity:** | This Antibody detects Uricase [Bacillus species]. Cross reactivity against uricase from other sources is unknown. Immunoelectrophoresis gives a single precipitin arc against anti-Biotin, anti-goat serum as well as purified and partially purified uricase [Bacillus species]. |
| **Formulation:** | 0.02 M Potassium phosphate, 0.15 M Sodium chloride, pH 7.2<br>Label: Biotin<br>State: Purified<br>State: Lyophilized purified Ig fraction<br>Stabilizer: 10 mg/ml BSA (immunoglobulin and protease free)<br>Preservative: 0.01% Sodium azide |
| **Reconstitution Method:** | Restore with 0.1 ml of deionized water (or equivalent). |
| **Concentration:** | lot specific |
| **Purification:** | Multi-step process including delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer |
| **Conjugation:** | Biotin |

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| **Storage:** | Store lyophilized at 2-8°C for 6 months or at -20°C long term.<br>After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Dilute only prior to immediate use.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **Database Link:** | Q5WBJ3 |
| **Background:** | Uricase is a peroxisomal enzyme that catalyzes the conversion of urea to allantoin. Uricase performs this action by cleaving the purine ring of uric acid rendering it much more soluble within the body for excretion. Uricase within the Bacillus species is of high importance due to its high activity and thermostability over a wide range of pH's. |
| **Synonyms:** | URIC, URO, UOX, EC 1.7.3.3, Urate oxidase |