

Technical Bulletin

Anti-Bovine Whey Proteins, antibody produced in rabbit

Whole Antiserum

W3501

Product Description

Antiserum is developed in rabbit using normal bovine whey proteins as the immunogen. The antiserum has been treated to remove lipoproteins.

Specificity of the anti-bovine whey protein antibodies is determined by immunoelectrophoresis (IEP). The antiserum versus bovine whey proteins yields multiple arcs of precipitation by IEP. The product is reactive with bovine α -lactalbumin, sheep and goat whey proteins.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP). Electrophoresis of the antibody preparation followed by diffusion versus anti-rabbit IgG results in a single arc of precipitation, versus anti-goat whole serum multiple arcs of precipitation are observed.

Rabbit anti-Bovine Whey Proteins may be used as a reference antiserum in various immunoassays, such as immunoelectrophoresis, immunodiffusion or ELISA. The antibodies may be employed for the detection of bovine whey proteins in milk or milk products (colostral whey, cheese whey, milk powder, infant formulas, etc.). When purifying any bovine whey protein (secretory IgA, lactoferrin, or lactalbumin) the antiserum can be used for the evaluation of purity during the purification process.

Reagents

Rabbit anti-Bovine Whey Proteins is provided as a liquid with 0.1% sodium azide added as preservative.

Precautions and Disclaimer

For R&D use only. Not for drug, household, or other uses.

Storage/Stability

For continuous use, store at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is **not** recommended. Storage in "frost-free" freezers **not** recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

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