Streptococcus agalactiae Monoclonal Antibodies

ORDERING INFORMATION

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<th>Catalog No.</th>
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Format:
* PEG-Purified antibody in PBS, pH 7.4
** Pro-G-purified antibody in PBS, pH 7.4

BACKGROUND

Streptococcus agalactiae is a major cause of mastitis in dairy cattle and an important source of economic loss for the dairy industry. Infection in cows can either produce an acute febrile disease or a subacute more chronic condition. Both lead to diminishing milk production (hence its name: agalactiae meaning "of no milk"). Outbreaks in herds are common, so this is of major importance for the dairy industry, and programs to reduce the impact of Strep. agalactiae disease have been enforced in many countries over the last 40 years.

SPECIFICATION SUMMARY

Antigen: UV-inactivated Strep. agalactiae cells isolated from mastitic milk.
Host Species: Mouse
Specificity: These antibodies recognize Strep. agalactiae and cross-react weakly with Strep. dysgalactiae. They do not cross-react with Strep. uberis, Strep. bovis, Strep. faecalis, Staph. aureus, Mycoplasma bovis, Mycoplasma californicum, Mycoplasma bovigenitalium, E. coli, or Corynebacterium bovis.

APPLICATIONS

These antibodies have been qualified for use in ELISA to detect Strep. agalactiae. Endusers should determine optimal concentrations for their applications.

DILUTION INSTRUCTIONS

Dilute in PBS or medium that is identical to that used in the assay system.

STORAGE AND STABILITY

These antibodies are stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not intended for use in therapeutic or diagnostic procedures.