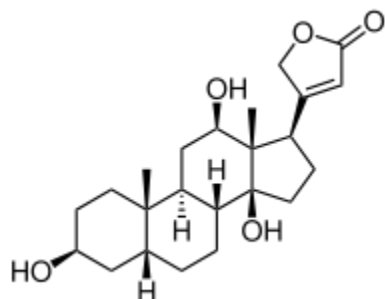


Digoxigenin Monoclonal Antibody

ORDERING INFORMATION

Catalog No.: 90012 (clone 21H8)
Format: 100ug, Protein A-purified, lyophilized, 0.1M Tris, 0.1M glycine, 2% sucrose, 1mg/ml.

BACKGROUND



Digoxigenin (DIG) is a steroid found exclusively in the flowers and leaves of the plants *Digitalis purpurea*, *Digitalis orientalis* and *Digitalis lanata* (foxgloves). It is used in many molecular biology applications similarly to other popular haptens such as DNP (dinitrophenol), biotin, and fluorescein and is often used as an immunohistochemical marker for in situ hybridization. In this case it is conjugated to a single species of RNA nucleotide triphosphate (typically uridine), which is then incorporated into RNA as it is synthesized.

SPECIFICATION SUMMARY

Antigen: Digoxigenin conjugate.
Host species: Mouse.
Antibody Class: IgG1.
Preservative: None.

SPECIFICITY

This antibody reacts with free and bound digoxigenin.

APPLICATIONS

ELISA: use at 0.1-1.0ug/ml.
Immunoblotting: use at 2-5ug/ml.
Immunohistochemistry: Use at 1-5ug/ml.
These are recommended concentrations. Enduser should determine optimal concentrations for their applications.

RECONSTITUTION

Reconstitute in distilled water.

STORAGE AND STABILITY

This product is stable for at least one (1) year at -20°C to -70°C. Reconstituted product should be stored in appropriate aliquots to avoid repeated freeze-thaw cycles.

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