

Mouse anti-human Digoxigenin Monoclonal Antibody (Clone HY-A.1)

REFERENCES AND PRESENTATIONS¹

- **ready-to-use (ml)**
MAD-001892QD-3
MAD-001892QD-7
MAD-001892QD-12
- **MD-Stainer presentations²**
MAD-001892QD-3/V
MAD-001892QD/V
- **concentrated**
MAD-001892Q - 1:50 recommended dilution

COMPOSITION

Anti-human Digoxigenin mouse monoclonal antibody purified from serum and prepared in 10mM PBS, pH 7.4, with 0.2% BSA and 0.09% sodium azide

INTENDED USE : Immunohistochemistry (IHC) on paraffin embedded tissues. Not tested on frozen tissues or Western-Blotting

CLONE: HY-A.1

Ig ISOTYPE: IgG1/kappa

SPECIES REACTIVITY: In vitro diagnostics in humans. Not tested in other species

DESCRIPTION AND APPLICATIONS:

This product is recommended for the qualitative detection of DNA probes marked with digoxigenin, on formalin-fixed paraffin-embedded tissue sections.

IHC POSITIVE CONTROL: dependant on DNA probes marked with digoxigenin (when EBER probe, positive Hodgkin lymphoma should be used)

VISUALIZATION: dependant on DNA probes marked with digoxigenin (when EBER probe, nuclear staining should be obtained)

IHC RECOMMENDED PROCEDURE:

- 4µm thick section should be taken on charged slides; dry overnight at 60°C
- Perform pre-treatment, denaturalisation and hybridization specific to each DNA probes marked with Digoxigenin (se Master Diagnóstica products for more details)

- Then follow the protocol for Digoxigenin chromogenic detection
- Endogenous peroxidase block - Blocking for 10 minutes at room temperature using peroxidase solution (ref. MAD-021540Q-125)
- Primary antibody: incubate for 10 minutes [The antibody dilution (when concentrated) and protocol may vary depending on the specimen preparation and specific application. Optimal conditions should be determined by the individual laboratory]
- For detection use Master Polymer Plus Detection System (HRP) (DAB included; ref. MAD-000237QK)
- Counterstaining with haematoxylin and final mounting of the slide

STORAGE AND STABILITY:  up to 18 months;  stored at 2-8°C. Do not freeze.

WARNINGS AND PRECAUTIONS:

1. Avoid contact of reagents with eyes and mucous membranes. If reagents come into contact with sensitive areas, wash with copious amounts of water.
2. This product is harmful if swallowed.
3. Consult local or state authorities with regard to recommended method of disposal.
4. Avoid microbial contamination of reagents.

SAFETY RECOMMENDATIONS

This product is intended for laboratory professional use only. The product is NOT intended to be used as a drug or for domestic purposes. The current version of the Safety Data Sheet for this product can be downloaded by searching the reference number at www.vitro.bio or can be requested at regulatory.md@vitro.bio.

BIBLIOGRAPHY

1. Décarie A, Drapeau G, Closset J, Couture R, Adam A. Development of digoxigenin-labeled peptide: application to chemiluminoenzyme immunoassay of bradykinin in inflamed tissues. Peptides. 1994;15(3):511-8
2. Mayilo S, Ehlers B, Wunderlich M, Klar TA, Josel HP, Heindl D, Nichtl A, Kürzinger K, Feldmann J. Competitive homogeneous digoxigenin immunoassay based on fluorescence quenching by gold nanoparticles. Anal Chim Acta. 2009 Jul 30;646(1-2):119-22
3. Goodarzi MT, Rafiq M, Turner G. An improved multiwell immunoassay using digoxigenin-labelled lectins to study the glycosylation of purified glycoproteins. Biochem Soc Trans. 1995 May;23(2):168S

¹ These references are for presentation in vials of Low Density Polyethylene (LDPE) dropper. In case the products are used in automated stainers, a special reference is assigned as follows:
- / L: Cylindrical screw-cap vials (QD-3 / L, QD-7 / L, QD-12 / L).
- / N: Polygonal screw-cap vials (QD-3 / N, QD-7 / N, QD-12 / N).
For different presentations (references / volumes) please contact the supplier.

² For Technical specifications for MD-Stainer, please contact your distributor.

