Mouse anti-human Ep-CAM/Epithelial Specific Antigen Monoclonal Antibody  
(Clone MOC-31)

REFERENCES AND PRESENTATIONS
1. ready-to-use (ml)
   MAD-000101QD–3
   MAD-000101QD–7
   MAD-000101QD–12
2. MD-Stainer presentations
   MAD-000101QD–3/V
   MAD-000101QD/V
   concentrated
   MAD-020101Q - 1:50 recommended dilution

COMPOSITION
Anti-human Ep-CAM 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: MOC31
Ig ISOTYPE: mouse IgG1/k
IMMUNOGEN: Neuraminidase treated cells from a variant small cell lung carcinoma cell line (GLS-1)
SPECIES REACTIVITY: In vitro diagnostics in humans. Not tested in other species

DESCRIPTION AND APPLICATIONS
Anti-MOC-31 reacts with a transmembrane glycoprotein present on most glandular epithelium and tumors originating from such epithelium. This antibody has been used to distinguish adenocarcinoma from mesothelioma and hepatocellular carcinoma. This antibody is also useful in distinguishing serous carcinomas of the ovary from mesothelioma.

IHC POSITIVE CONTROL: Breast, colon or lung adenocarcinoma
VISUALIZATION: Cell cytoplasm and membrane

IHC recommended procedure:
- 4µm thick section should be taken on charged slides; dry overnight at 60ºC
- Deparaffinise, rehydrate and HIER (heat induced epitope retrieval) – boil tissue in the Pt Module using Master Diagnóstica EDTA buffer pH 8 for 20 min at 95ºC. Enzymatic digestion for the antigen retrieval is also recommended. Upon completion rinse with 3-5 changes of distilled or deionised water followed by cooling at RT for 20 min
- 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 2-8ºC. 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

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