

## Product datasheet

### anti-Organic Anion Transporter OATP2 + P8 mouse monoclonal, mMDQ, supernatant

#### Short overview

<b>Cat. No.</b>	651140
<b>Quantity</b>	5 ml

#### Product description

<b>Host</b>	Mouse
<b>Antibody Type</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Clone</b>	mMDQ
<b>Immunogen</b>	Synthetic N-terminus (24 aa) of human organic anion transporter OATP2
<b>Formulation</b>	Contains 0.09% sodium azide
<b>UniprotID</b>	Q9Y6L6 (Human), Q9NPD5 (Human)
<b>Synonym</b>	Solute carrier organic anion transporter family member 1B1, Liver-specific organic anion transporter 1, LST-1, OATP-C, Sodium-independent organic anion-transporting polypeptide 2, OATP-2, Solute carrier family 21 member 6, SLCO1B1, LST1, OATP1B1, OATP2, OATPC, SLCO1B1, Solute carrier organic anion transporter family member 1B3, Liver-specific organic anion transporter 2, LST-2, Organic anion transporter 8, Organic anion-transporting polypeptide 8, OATP-8, Solute carrier family 21 member 8, SLCO1B3, LST2, OATP1B3, OATP8, SLCO1B3
<b>Conjugate</b>	Unconjugated
<b>Purification</b>	Hybridoma cell culture supernatant
<b>Storage</b>	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
<b>Intended use</b>	Research use only
<b>Application</b>	ICC/IF, IHC, IP, WB
<b>Reactivity</b>	Human

#### Applications

<b>Immunocytochemistry (ICC)</b>	Ready-to-use
<b>Immunohistochemistry (IHC) - paraffin</b>	Ready-to-use (microwave treatment recommended)
<b>Immunoprecipitation (IP)</b>	Assay dependent
<b>Western Blot (WB)</b>	Assay dependent (for optimal detection of the glycosylated antigen sample boiling before SDS-PAGE is not recommended; alternatively, samples can be kept at 37°C for 30 min)

#### Background

In Western blot analyses of basolateral membrane fractions of human liver the monoclonal antibody mMDQ reacts with 90 kDa and 120 kDa proteins (after SDS-PAGE) representing OATP2 (also described as OATP-C) and OATP8, respectively. According to a recent new nomenclature PROGEN Biotechnik GmbH | Maaßstraße 30 | D-69123 Heidelberg

these hepatocyte-specific proteins are identical to OATP1B1 and OATP1B3, respectively (Hagenbuch et al., 2003). Using immunofluorescence microscopy mMDQ stains the sinusoidal (basolateral) membranes in frozen sections of human liver, hepatocellular carcinoma (Cui et al., 2003).

Tested reactivities on cultured cell lines: transfected HEK293 cells; negative with HepG2 and PLC. Polypeptide reacting: OATP2 and OATP8, human organic anion transporters (90 kDa, 120 kDa, after SDS-PAGE).

Hagenbuch, B. & Meier, P. J. The superfamily of organic anion transporting polypeptides. *Biochim. Biophys. Acta* 1609, 1-18 (2003). Cui, Y. et al. Detection of the human organic anion transporters SLC21A6 (OATP2) and SLC21A8 (OATP8) in liver and hepatocellular carcinoma. *Lab. Invest.* 83, 52738 (2003).

## Product images



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## References

Publication	Species	Application
<a href="#">Cui, Y. et al. Detection of the human organic anion transporters SLC21A6 (OATP2) and SLC21A8 (OATP8) in liver and hepatocellular carcinoma. Lab. Invest. 83, 527â€“38 (2003).</a>	human	WB,IHC,ICC-IF