

Product datasheet

anti-Organic Anion Transporter OATP2 mouse monoclonal, mESL, supernatant

Short overview

Cat. No.	651139
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgM
Clone	mESL
Immunogen	Synthetic C-terminus (21 aa) of human organic anion transporter SLC21A6 coupled to KLH
Formulation	Contains 0.09% sodium azide
UniprotID	Q9NPD5 (Human)
Synonym	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, SLC21A8
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	2-8°C
Intended use	Research use only
Application	ICC/IF, IHC, IP, WB
Reactivity	Human

Applications

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

Background

In Western blot analyses the monoclonal antibody mESL reacts selectively with the 90 kDa protein (after SDS-PAGE) present in the basolateral membrane fractions of human liver. According to a recent new nomenclature this hepatocyte-specific protein is identical to OATP1B1 (Hagenbuch and Meier, 2003) also known as OATP-C. Using immunofluorescence microscopy mESL stains the sinusoidal (basolateral) membranes in frozen sections of human liver, hepatocellular carcinoma and the human cell line HEK293 transfected with SLC21A6.

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Polypeptide reacting: OATP2/OATP1B1, human organic anion transporter SLC21A6 (90 kDa).

Reactivity on cultured cell lines: SCL21A6 transfected HEK293 cells; negative with HepG2 and PLC.

Hagenbuch E, Meier PJ: The superfamily of organic anion transporting polypeptides. *Biochim Biophys Acta* 1609, 1-18 (2003)

Product images



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References

Publication	Species	Application
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).	human	WB,IHC,ICC-IF