

## Product datasheet for **BM5542**

### OATP2 (SLCO1B1) Mouse Monoclonal Antibody [Clone ID: mESL]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	mESL
Applications:	IF, IP, WB
Recommended Dilution:	<b>Immunoprecipitation.</b> <b>Immunofluorescence Microscopy</b> (Ready-to-use). <i>Incubation Time:</i> 1 h at RT). <b>Western blotting:</b> 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 (cf. Cui et al.).
Reactivity:	Human
Host:	Mouse
Isotype:	IgM
Clonality:	Monoclonal
Immunogen:	Synthetic C-terminus (21 aa) of Human organic anion transporter SLC21A6 coupled to KLH
Specificity:	The antibody reacts with OATP2/OATP1B1, Human organic anion transporter SLC21A6 (90 kD). It recognizes SCL21A6 transfected HEK293 cells, negative with HepG2 and PLC (cultured cell lines tested so far). Using <b>Immunofluorescence Microscopy</b> mESL stains the sinusoidal (basolateral) membranes in frozen sections of human liver, hepatocellular carcinoma and the human cell line HEK293 transfected with SLC21A6. In <b>Western blot analyses</b> the monoclonal antibody mESL reacts selectively with the 90 kD protein (after SDS-PAGE) present in the basolateral membrane fractions of human liver. According to a recent new nomenclature this hepatocytespecific protein is identical to OATP1B1 (see Ref. 2) also known as OATP-C.
Formulation:	State: Supernatant State: Liquid Culture Supernatant containing 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.



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<b>Stability:</b>	Shelf life: one year from despatch.
<b>Gene Name:</b>	solute carrier organic anion transporter family member 1B1
<b>Database Link:</b>	<a href="#">Entrez Gene 10599 Human</a> <a href="#">Q9Y6L6</a>
<b>Background:</b>	The OATPs (organic anion transporter polypeptides) are a family of transport proteins that have been found to mediate the uptake of organic ions into hepatocyte cells. These proteins fall into the solute carrier family 21A (SLC21A), and are expressed in liver, kidney, and brain. These polypeptides are involved in the excretion of potentially toxic compounds and therefore play a role in the overall detoxification system of the body. Unlike other members of the OATP family, OATP2 and 8 have been detected exclusively in the liver, and there is an 80% amino acid sequence homology between these polypeptides. Other names for OATP2 include SLC21A6, OATPC, and LST1.
<b>Synonyms:</b>	LST1, LST-1, OATP-2, OATPC, OATP-C, SLC21A6