

Product datasheet for **BM5541**

OATP2 (SLCO1B1) (+ OATP8) Mouse Monoclonal Antibody [Clone ID: mMDQ]

Product data:

Product Type: Primary Antibodies

Clone Name: mMDQ

Applications: IF, IHC, IP, WB

Recommended Dilution: **Immunoprecipitation.**
Immunofluorescence Microscopy.

Western blotting: 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 (See also *Ref. 1*).

Immunohistochemistry on Paraffin Sections (Only after microwave treatment): Use undiluted.

For details See *Ref. 1*.

Incubation Time: 1 h at RT, for Paraffin Sections overnight at 2-8°C.

Reactivity: Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Immunogen: Synthetic N-terminus (24 aa) of Human organic anion transporter OATP2 coupled to KLH

Specificity: In Western blot analyses of basolateral membrane fractions of human liver the monoclonal antibody mMDQ reacts with 90 kD and 120 kD proteins (after SDS-PAGE) representing OATP2 (also described as OATP-C) and OATP8, respectively. According to a recent new nomenclature these hepatocyte-specific proteins are identical to OATP1B1 and OATP1B3, respectively (See *Ref. 2*).

Using immunofluorescence microscopy mMDQ stains the sinusoidal (basolateral) membranes in frozen sections of human liver, hepatocellular carcinoma (See *Ref. 1*).

Reacts with OATP2 and OATP8, human organic anion transporters (90 kD, 120 kD, after SDS-PAGE).

Reacts with Transfected HEK293 cells; negative with HepG2 and PLC.

Formulation: State: Supernatant

State: Liquid Hybridoma Culture Supernatant

Preservative: 0.09% Sodium Azide



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Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	solute carrier organic anion transporter family member 1B1
Database Link:	Entrez Gene 10599 Human Q9Y6L6
Synonyms:	LST1, LST-1, OATP-2, OATPC, OATP-C, SLC21A6
Note:	Protocol: Western Blotting (Ref.1) 1. 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 2. 50 µg of protein lysate should be loaded on each lane. 3. The usage of a PVDF-Membrane is recommended. 4. The usage of 10% milk powder in TTBS (Tris-buffered saline, pH 7.6, with 0.05% Tween 20) as blocking reagent. The antibody can be diluted 3-5 x
Protein Families:	Druggable Genome, Transmembrane