Human Melanotransferrin/CD228 Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 893416

Catalog Number: FAB81751G

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Melanotransferrin/CD228 in direct ELISAs.
Source	Monoclonal Mouse IgG_1 Clone # 893416
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human embryonic kidney cell line HEK293-derived recombinant human Melanotransferrin/CD228 Met1-Gly711 Accession # P08582
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

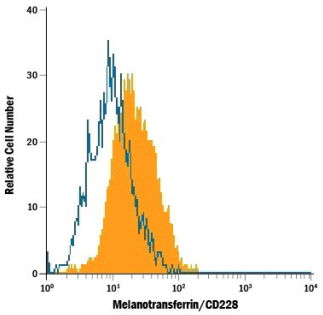
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Flow Cytometry	5 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of Melanotransferrin/CD228 in A431 Human Cell Line by Flow Cytometry. A431 human epithelial carcinoma cell line was stained with Mouse Anti-Human Melanotransferrin/CD228 Alexa Fluor® 488-conjugated Monoclonal Antibody (Catalog # FAB81751G, filled histogram) or isotype control antibody (Catalog # IC002G, open histogram). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Melanotransferrin, also known as MTF, CD228, Melanoma-associated Antigen p97, MAP97 and MFI2, is a 90-97 kDa sialoglycoprotein member of the transferrin family. Unlike other transferrins, which are secreted, MTF is usually found tethered to the cell membrane by a glycosyl phosphatidyl inositol anchor, with only small amounts of soluble protein detected. MTF is highly expressed on melanoma cells, and at lower levels in salivary gland, pancreas, kidney and testis. Like other transferrins, MTF is an iron-binding protein, and may play roles in cellular proliferation, tumorigenesis, metastasis and migration. Full-length human, mouse and rat MTF is synthesized as a 738 amino acid (aa) protein. Over aa 1-711, human MTF shares 85 and 86% aa identity with mouse and rat MTF, respectively.

PRODUCT SPECIFIC NOTICES

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bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956