Human/Mouse PSMB7 Alexa Fluor® 700-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 787807

Catalog Number: FAB7590N

100 µg

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human PSMB7 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human PSMB10 is observed.
Source	Monoclonal Mouse IgG_1 Clone # 787807
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human PSMB7 Thr44-Ser277 Accession # Q99436
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

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

PSMB7 (proteasome subunit, beta-type 7), also called proteasome subunit Z, is a widely expressed, non-catalytic component of the 20S proteasome core within the 26S proteasome that stabilizes late stages of proteasome assembly. Human PSMB7 is synthesized as a 277 amino acid (aa) protein with a 43 aa propeptide and a 234 active protein that contains one potential tyrosine phosphorylation site. Active human PSMB7 shares 97% aa sequence identity with mouse and rat PSMB7. Total PSMB7 expression is positively correlated with chemotherapy resistance in human breast cancer.

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Bio-Techne®
Global | bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL: 1.612.379.2956
USA | TEL: 800.343.7475 Canada | TEL: 855.668.8722 Europe | Middle East | Africa TEL: +44.0.1235.529449
China | info.cn@bio-techne.com TEL: 400.821.3475