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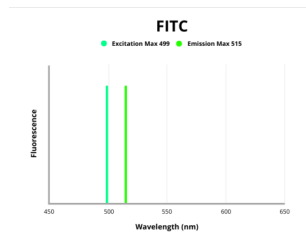
Proteasome Subunit Beta Type 1 (PSMB1) Antibody (FITC)

Catalogue No.:abx107228

Fluorescence emission spectra of FITC.

Proteasome Subunit Beta Type 1 (PSMB1) Antibody (FITC) is a Rabbit Polyclonal antibody against Proteasome Subunit Beta Type 1 (PSMB1) conjugated to FITC. The proteasome is a multicatalytic proteinase complex with a highly ordered ring-shaped 20S core structure. The core structure is composed of 4 rings of 28 non-identical subunits; 2 rings are composed of 7 alpha subunits and 2 rings are composed of 7 beta subunits. Proteasomes are distributed throughout eukaryotic cells at a high concentration and cleave peptides in an ATP/ubiquitin-dependent process in a non-lysosomal pathway. An essential function of a modified proteasome, the immunoproteasome, is the processing of class I MHC peptides. This gene encodes a member of the proteasome B-type family, also known as the T1B family, that is a 20S core beta subunit. This gene is tightly linked to the TBP (TATA-binding protein) gene in human and in mouse, and is transcribed in the opposite orientation in both species.

Target:	Proteasome Subunit Beta Type 1 (PSMB1)
Clonality:	Polyclonal
Reactivity:	Human
Host:	Rabbit
Recommended dilutions:	Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	FITC
Excitation/Emission:	499/515
Laser Line:	488
Immunogen:	Recombinant human Proteasome subunit beta type-1 protein (29-241AA).
Isotype:	IgG
Form:	Liquid
Purity:	> 95%

v1.0.0
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Purification:	Purified by Protein G.
Storage:	Aliquot and store at -20°C. Avoid exposure to light. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P20618 (**UniProt**, **ExPASy**)
Gene Symbol:	PSMB1
GeneID:	**5689**
OMIM:	**602017**
HGNC:	9537
KEGG:	hsa:5689
Ensembl:	ENSG00000008018
String:	**9606.ENSP00000262193**
Buffer:	0.01 M PBS, pH 7.4, 0.03% Proclin-300 and 50% Glycerol.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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