

Proteasome 20S LMP2 Rabbit mAb

Catalog No: #49806



Package Size: #49806-1 50ul #49806-2 100ul

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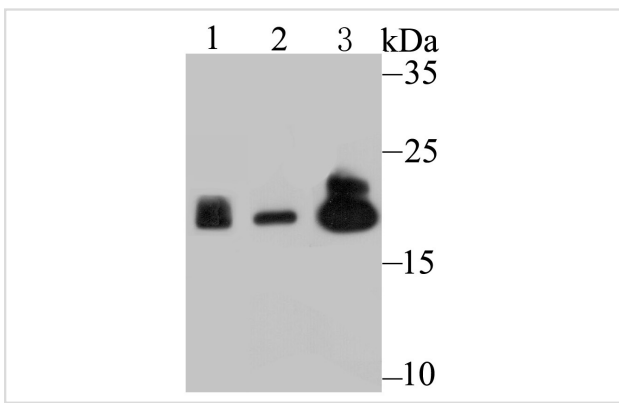
Description

Product Name	Proteasome 20S LMP2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	JB35-07
Purification	ProA affinity purified
Applications	WB,IHC,FC,IP
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Other Names	Beta1i antibody Large multifunctional peptidase 2 antibody Large multifunctional protease 2 antibody LMP 2 antibody LMP2 antibody Low molecular mass protein 2 antibody Macropain chain 7 antibody MGC70470 antibody Multicatalytic endopeptidase complex chain 7 antibody OTTHUMP00000062982 antibody Proteasome (prosome macropain) subunit beta type 9 antibody proteasome (prosome, macropain) subunit, beta type, 9 (large multifunctional peptidase 2) antibody Proteasome beta 9 subunit antibody Proteasome catalytic subunit 1i antibody Proteasome chain 7 antibody Proteasome related gene 2 antibody Proteasome subunit beta 6i antibody Proteasome subunit beta type 9 antibody Proteasome subunit beta type-9 antibody Proteasome subunit beta-1i antibody PSB9_HUMAN antibody PSMB 9 antibody PSMB6i antibody PSMB9 antibody Really interesting new gene 12 protein antibody RING 12 antibody RING12 antibody RING12 protein antibody
Accession No.	Swiss-Prot#:P28065
Uniprot	P28065
GeneID	5698;
Calculated MW	23 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

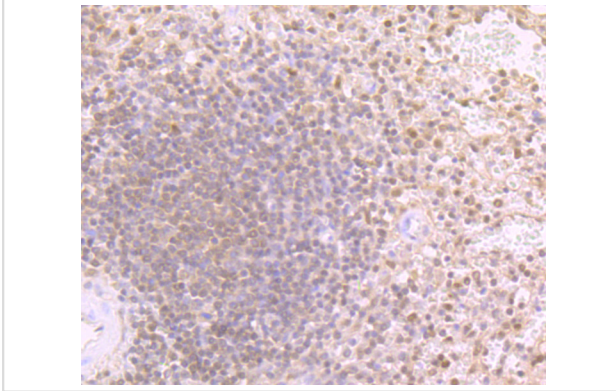
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200 FC: 1:50-1:100

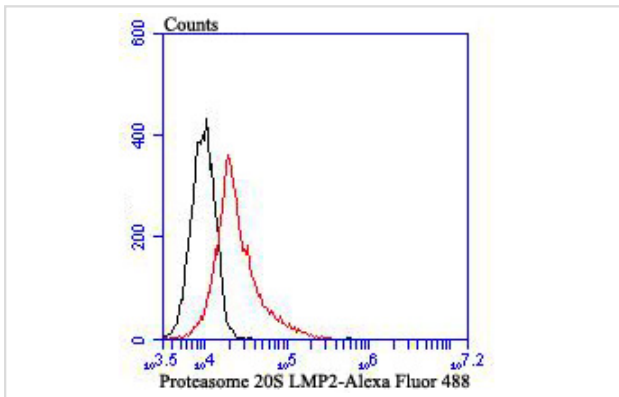
Images



Western blot analysis of Proteasome 20S LMP2 on different lysates using anti-Proteasome 20S LMP2 antibody at 1/500 dilution. Positive control: Lane 1: Mouse spleen tissue
Lane 2: U937 Lane 2: Mouse colon tissue



Immunohistochemical analysis of paraffin-embedded human spleen tissue using anti-Proteasome 20S LMP2 antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Daudi cells with Proteasome 20S LMP2 antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background

The eukaryotic multicatalytic proteinase complex, otherwise known as the proteasome, is present in both the nucleus and cytoplasm of cells and contains at least 15 nonidentical subunits, which form a highly ordered ring-shaped structure. The proteasome is involved in an ATP/Ubiquitin-dependent proteolytic pathway and expresses at least five distinct proteolytic activities, including the cleavage of peptides after branched chain amino acids or bulky hydrophobic amino acids. Two components of the proteasome are the low molecular mass proteins LMP2 and LMP7, which are thought to connect the proteasome to the MHC class-I antigen-processing pathway. Upon stimulation with IFN- γ , LMP2 and LMP7 displace housekeeping subunits in the proteasome and activate cytotoxic T cells (CTLs). LMP2 and LMP7 are produced as precursor proteins, which are processed to subunits that have the ability to complex with the proteasome. LMP2 is expressed as two alternatively spliced forms, LMP2.I and LMP2.s, in lymphoblastoid cell lines and in fibroblasts after IFN- γ stimulation. LMP7 is also expressed as two forms, LMP7-E1 and E2, in several tissues.

References

Note: This product is for in vitro research use only