MG764638

PSMB7 (Proteasome 20S beta 7) monoclonal antibody

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☐ 50ul
☐ 100 uL

Description:

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 in the proteasome. Expression of this catalytic subunit is downregulated by gamma interferon and proteolytic processing is required to generate a mature subunit. This subunit is not present in the immunoproteasome and is replaced by catalytic subunit 2i (proteasome beta 10 subunit). [provided by RefSeq]

UniProt : Q99436

Alternative Names : proteasome subunit beta 7,PSMB7,Z

Mol Weight() : 29.8 kDa

Isotype : Mouse IgG

Clonality : Mouse monoclonal

Source : Mouse

Reactivity : Human, Monkey, Mouse, Rat, Dog

Purification:

Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)

Storage Condition and Buffer:

PBS (PH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Immunogen:

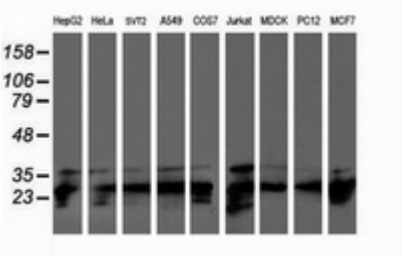
Human recombinant protein fragment corresponding to amino acids 58-277 of human PSMB7(NP_002790) produced in E.coli.

Content : 0.83 mg/ml

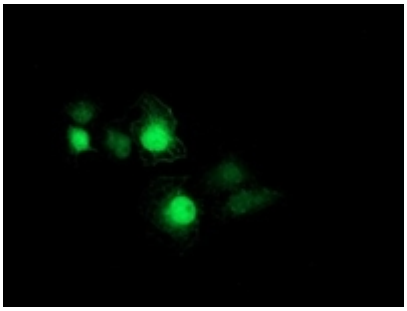
Application : IF, WB

Dilution : WB 1:500~2000, IF 1:100

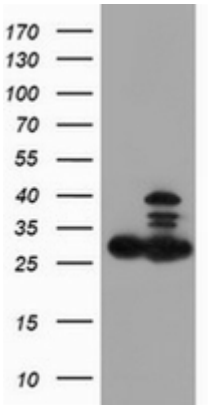
Image:



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-PSMB7 monoclonal antibody.



Anti-PSMB7 mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY PSMB7 .



HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PSMB7 (Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PSMB7.