Immunoproteasome 20S (human), (purified)

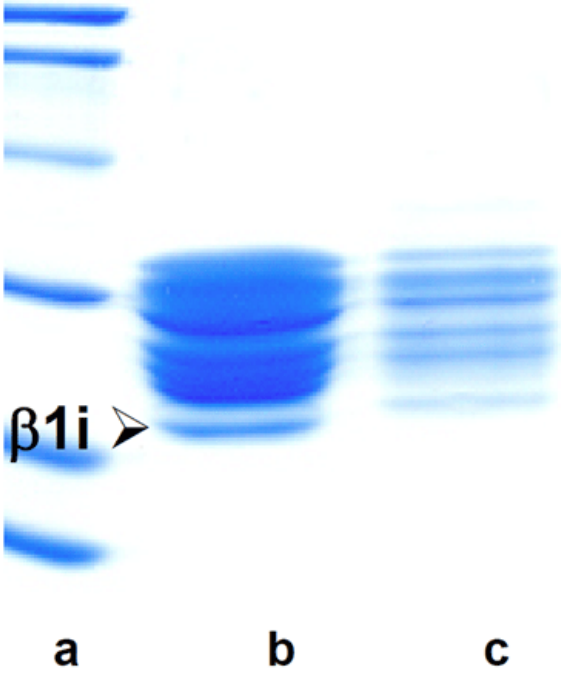
The eukaryotic proteasome contains 7α-type and 7 β-type subunits. Upon stimulation with IFN-γ, the three active β subunits, β1 (Y), β2 (Z) and β5 (X) are exchanged to their immunocounterparts, namely β1i (LMP-2), β2i (MECL-1) and β5i (LMP-7). This results in a change in proteasomal substrate specificity. Some groups have reported increases in chymotrypsin-like and trypsin-like activities while others have reported no changes or even decreased activities after such treatment.

Citations: 7 View Online »

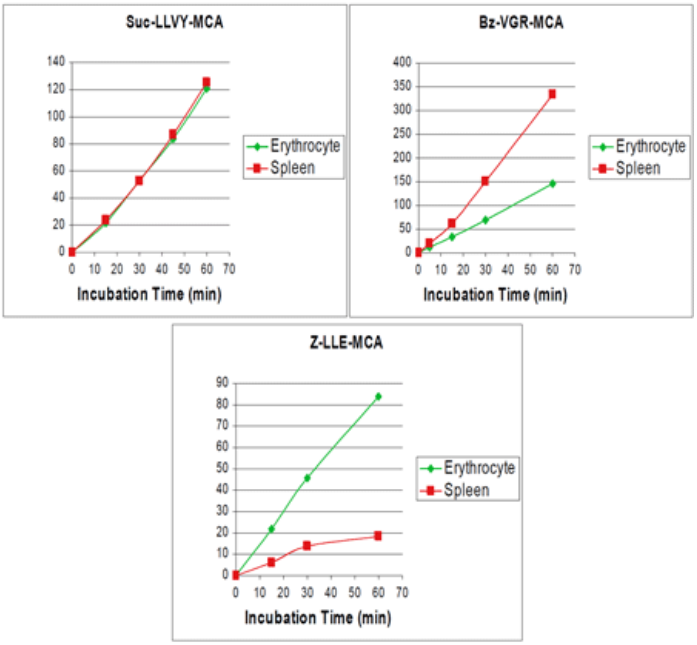
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BML-PW9645-0050	50µg

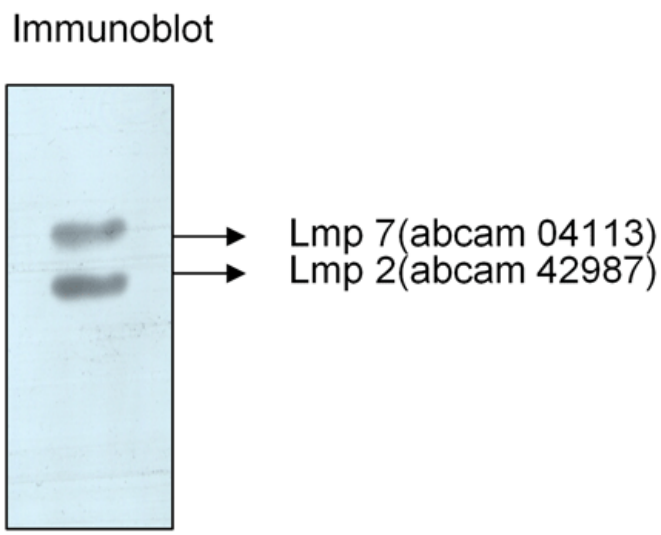
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Coomassie stained gel after SDS-PAGE (12.5% acrylamide). Lane (a): molecular weight markers; lane (b) 20S immunoproteosome, spleen-derived (prod.no. BML-PW9645); lane (c): 20S proteosome, erythrocyte-derived (PW8720).



All activities were measured by use of 200µM substrate concentration (final concentration) all dissolved in TEAD buffer. Test system: 20µl enzyme solution (640ng); 20µl substrate solution (incubation at 37°C); 200µl stop solution (100mM sodium chloroacetate dissolved in 30mM Na-acetate, 70mM acetic acid, pH 4.3). Fluorescence was measured in a microplate fluorimeter at 355nm excitation and 460nm emission.



Western blot analysis of Immunoproteasome 20S (human), (purified) (Prod. No. BML-PW9645) probed with anti-Syntaxin 3 antibody (ab4113) and anti-Proteasome 20S LMP2 antibody (ab42987).

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Once thawed the material can be stored at +4°C for up to 3 months, or long term at -20°C.
Handling	Avoid freeze/thaw cycles.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Formulation	Liquid. In TEAD buffer (20mM TRIS/HCl, 1mM sodium azide, 1mM DTT, pH 7.4). Contains 50% glycerol.
Purity Detail	Highly purified. All starting material has been tested and found to be negative for hepatitis B surface antigen, human immunodeficiency virus type 1 antigens, and antibodies against human immunodeficiency viruses type 1 and 2, and hepatitis C virus.
Source	Isolated from human spleen.

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