

Recombinant

DGRmAb®

PSMB9 (DGR16824) Rabbit mAb

db11406

Package : 10µL 20µL 50µL 100µL

Product Name : PSMB9 (DGR16824) Rabbit mAb**Cat.No.:** db11406**Synonyms :** LMP2; PSMB6i; RING12; beta1i**Application :** WB, IHC-P, ICC/IF, FC, IP**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

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 located in the class II region of the MHC (major histocompatibility complex). Expression of this gene is induced by gamma interferon and this gene product replaces catalytic subunit 1 (proteasome beta 6 subunit) in the immunoproteasome. Proteolytic processing is required to generate a mature subunit. [provided by RefSeq, Mar 2010]

Immunogen

Recombinant protein of human PSMB9

Gene ID

5698, 16912, 24967

Swiss Prot

P28065, P28076, P28077

Synonyms

LMP2; PSMB6i; RING12; beta1i

Reactivity

Human,Mouse,Rat

Application

WB, IHC-P, ICC/IF, FC, IP

Recommended dilution

WB: 1:1000

IHC-P: 1:200-1:2000

ICC/IF: 1:100

FC: 1:200-1:500

IP: 1:20-1:50

Calculated MW

23 kDa

Observed MW	21,23 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR16824
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.