

Proteasome 20S LMP2 Conjugated Antibody

Catalog No: #C49806



Package Size: #C49806-AF350 100ul #C49806-AF405 100ul #C49806-AF488 100ul
 #C49806-AF555 100ul #C49806-AF594 100ul #C49806-AF647 100ul
 #C49806-AF680 100ul #C49806-AF750 100ul #C49806-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	Proteasome 20S LMP2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
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;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	23 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

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.

Note: This product is for in vitro research use only