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Datasheet

PSMC6 monoclonal antibody (M04), clone 1E5

Catalog Number: H00005706-M04

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full-length recombinant PSMC6.

Clone Name: 1E5

Immunogen: PSMC6 (AAH05390, 1 a.a. ~ 389 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MADPRDKALQDYRKKLLEHEEIDGRLKELREQLKELTK
QYEKSENDLKALQSVGQIVGEVLKQLTEEKFIVKATNG
PRYVVGCRRQLDKSKLKPGTRVALDMTTLTIMRYLPR
EVDPLVYNMSHEDPGNVSYSEIGGLSEQIRELREVIEL
PLTNPELFQRVGIIPPKGCLLYGPPGTGKTLLARAVAS
QLDCNFLKVVSSSIVDKYIGESARLIREMFNYARDHQP
CIIFMGEIDAIGGRRFSEGTSADREIQRTLMELLNQMD
GFDTLHRVKMIMATNRPDTLDPALLRPGRLDRKIHIDL
PNEQARLDILKIHAGPITKHGEIDYEAIVKLSDGFNGAD
LRNVCTEAGMFAIRADHDFVVQEDFMKAVRKVADSKK
LESKLDYKPV

Host: Mouse

Reactivity: Human

Applications: ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5706

Gene Symbol: PSMC6

Gene Alias: CADP44, MGC12520, P44, SUG2, p42

Gene Summary: The 26S proteasome is a multicatalytic proteinase complex with a highly ordered structure composed of 2 complexes, a 20S core and a 19S regulator. The 20S core 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. The 19S regulator is composed of a base, which contains 6 ATPase subunits and 2 non-ATPase subunits, and a lid, which contains up to 10 non-ATPase 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 one of the ATPase subunits, a member of the triple-A family of ATPases which have a chaperone-like activity. Pseudogenes have been identified on chromosomes 8 and 12. [provided by RefSeq]