



PSMD10, CT (PSMD10, 26S proteasome non-ATPase regulatory subunit 10, 26S proteasome regulatory subunit p28, Gankyrin, p28(GANK)) (FITC)

Catalog number

040562-FITC

Supplier

United States Biological

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 a non-ATPase subunit of the 19S regulator. Two transcripts encoding different isoforms have been described. Pseudogenes have been identified on chromosomes 3 and 20.

Applications

Suitable for use in Western Blot, FLISA

Recommended Dilution

FLISA: 1:1,000

Western Blot: 1:100-500

Storage and Stability

Store product at 4°C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20°C. Aliquots are stable at -20°C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: FITC conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.

Note

Applications are based on unconjugated antibody.

Immunogen

PSMD10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 183-213 amino acids from the C-terminal region of human PSMD10.

Formulation

Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein isothiocyanate (FITC).

Purity

Purified by Protein A affinity chromatography.

**Specificity**

Human

Product Type

Pab

Source

human

Isotype

IgG

Grade

Affinity Purified

Applications

FLISA WB

Crossreactivity

Hu

Storage

-20°C

Detection Method

FITC

Reference

Meng, Y., et al. Cancer Lett. 297(1):9-17(2010)
Man, J.H., et al. J. Clin. Invest. 120(8):2829-2841(2010)
Piton, A., et al. Mol. Psychiatry (2010) In press :
Serquera, D., et al. Biophys. J. 98(7):1294-1301(2010)
Tang, S., et al. Cancer Biol. Ther. 9(2):88-95(2010)