

Product datasheet

Proteasome 20S beta 7/PSMB7 peptide ab4948

Overview

Product name Proteasome 20S beta 7/PSMB7 peptide

Description

Nature Synthetic

Amino Acid Sequence

Accession [Q99436](#)

Sequence PLEIEVLEET VQTMDTS

Amino acids 263 to 277

Specifications

Our [Abpromise guarantee](#) covers the use of **ab4948** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Blocking

Form Liquid

Additional notes

This peptide may be used for neutralization and control experiments with the polyclonal antibody that reacts with this product and human proteasome 20S beta 7, catalog [ab3332](#). Using a solution with equal weights per unit volume of peptide and corresponding antibody will yield a solution with a large molar excess of peptide that is able to competitively bind the antibody.

This product was previously labelled as Proteasome 20S beta 7

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

General Info

Function The proteasome is a multicatalytic proteinase complex which is characterized by its ability to

cleave peptides with Arg, Phe, Tyr, Leu, and Glu adjacent to the leaving group at neutral or slightly basic pH. The proteasome has an ATP-dependent proteolytic activity. This unit is responsible of the trypsin-like activity.

Tissue specificity	Expressed at a low level in colonic mucosa. Up-regulated in colorectal cancer tissues.
Sequence similarities	Belongs to the peptidase T1B family.
Cellular localization	Cytoplasm. Nucleus.

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