

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



Cleaved-Cathepsin A (R326) Peptide

Cat No.: BS7038P

Background

The cathepsin family of proteolytic enzymes include several diverse classes of proteases. Cathepsins B, L, H, K, S and O comprise the cysteine protease class. Cathepsins D and E comprise the aspartyle protease class. The serine protease class includes cathepsin G. Cathepsins function in cellular metabolism and participate in peptide biosynthesis and protein degradation. Cathepsin A, a serine carboxypeptidase, exists in a high molecular weight lysosomal complex with b-galactosidase (b-gal) and a-neuraminidase (Neu1). Cathepsin A functions to protect b-gal and Neu1 from intralysosomal proteolysis. Deficiencies in cathepsin A lead to deficiencies in b-gal and Neu1. The gene encoding human cathepsin A maps to chromosome 20q13.12. Mutations in this gene cause galactosialidosis, a lysosomal storage disorder resulting from the b-gal and Neu1 deficiencies.

Swiss-Prot

P10619

Applications

Blocking

Specificity

This peptide can be used with studies using BS7038 Cleaved-Cathepsin A (R326) pAb.

Purification & Purity

Synthetic peptide Cleaved-Cathepsin A (R326). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.

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