Product datasheet:

Cathepsin G

Overview

Product name: Cathepsin G
Alternative names: CG
Uniprot: Accession number P08311
Description: 27 kDa
Source material: Human neutrophils
Purity: >90% by SDS-polyacrylamide electrophoresis
Purification: Purified using conventional chromatography procedures
Clinical applications: Elevated cathepsin G activity has been reported to occur in bronchiectasis and adult periodontosis. Autoantibodies to cathepsin G have been reported to occur in patients with systemic lupus erythematosus, systemic sclerosis, ulcerative colitis, Crohn's disease, primary sclerosing cholangitis and malaria.

Images

SDS-polyacrylamide electrophoresis of ATC01 Cathepsin G antigen
Lane a, Molecular weight markers
Lane b, Cathepsin G (2 µg)

References

Hof P. et al. (1996) The 1.8 A crystal structure of human cathepsin G in complex with Suc-Val-Pro-Phe-P(O)H2: a Janus-faced proteinase with two opposite specificities. EMBO J. 15:5481-91
Khanna D. et al. (2003) Bactericidal/permeability-increasing protein and cathepsin G are the major antigenic targets of antineutrophil cytoplasmic autoantibodies in systemic sclerosis. J. Rheumatol. 30:1248-52

Ordering information

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<th>Code</th>
<th>Description</th>
<th>Amount</th>
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<td>Cathepsin G (from human neutrophils)</td>
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<td>ATC01-10</td>
<td>Cathepsin G (from human neutrophils)</td>
<td>1.0 mg</td>
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