Selective recognition of synthetic lysine and meso-diaminopimelic acid-type peptidoglycan fragments by human peptidoglycan recognition proteins I{alpha} and S.
Title: Selective recognition of synthetic lysine and meso-diaminopimelic acid-type peptidoglycan fragments by human peptidoglycan recognition proteins Iα and S.

Publication Type: Journal Article

Year of Publication: 2005

Authors: Kumar, S, Roychowdhury, A, Ember, B, Wang, Q, Guan, R, Mariuzza R.

Journal: J Biol Chem

Volume: 280

Issue: 44

Pagination: 37005-12

Date Published: 2005 Nov 4

ISSN: 0021-9258

Keywords: Acetylmuramyl-Alanyl-Isoglutamine, Cytokines, Diaminopimelic Acid

Abstract: The interactions of a range of synthetic peptidoglycan derivatives with PGRP-Iα and PGRP-S have been studied in detail using a recently reported x-ray crystal structure of PGRP-Iα with the lysine-containing muramyltripeptide (4).

DOI: 10.1074/jbc.M506385200


PubMed ID: 16129677

Grant List: AI065612 / AI / NIAID NIH HHS / United States

AI47990 / AI / NIAID NIH HHS / United States

GM065248 / GM / NIGMS NIH HHS / United States