

综述

炎症性疾病早期诊断的新指标—sTREM-1

白丽红,徐克前

中南大学湘雅医学院医学检验系,长沙 410013

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摘要

髓系细胞表达的触发受体-1 (TREM-1) 是新近确认的一个与炎症相关的免疫球蛋白超家族成员, 表达于中性粒细胞、成熟的单核细胞、巨噬细胞表面。多种细菌性成分能使细胞表面的TREM-1表达增加, 后者与Toll样受体协同作用, 激发炎症因子的产生。最新的研究发现, 感染过程中一种可溶性TREM-1 (sTREM-1) 可释放进入体液, 并且与多种疾病如肺炎、细菌性脑膜炎、炎症性肠病密切相关, 成为一种早期诊断炎症性疾病的新指标。

关键词 [髓系细胞触发受体-1; 感染; 炎症](#)

分类号

A new early diagnostic marker for inflammatory diseases—sTREM-1

BAI Li-hong, XU Ke-qian

Department of Laboratory Medicine, Xiangya School of Medicine, Central South University, Changsha 410013, China

Abstract

The triggering receptor expressed on myeloid cells (TREM)-1 is a recently identified molecule involved in the inflammatory response. It belongs to the immunoglobulin superfamily and is expressed on the surface of neutrophils, mature monocytes, and macrophages. The engagement of TREM-1 synergizes with the Toll-like receptors signaling pathway in amplifying the inflammatory response mediated by several microbial components. Besides its membranous form, a soluble counterpart of TREM-1 is specifically released during several infectious processes. The measurement of that soluble form in biological fluids may be useful as a early diagnostic marker, especially during pneumonia, bacterial meningitis and inflammatory bowel disease (IBD).

Key words [triggering receptors expressed on myeloid cells-1 \(TREM-1\)](#) [infection](#) [inflammation](#)

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通讯作者

作者个人主页 [白丽红;徐克前](#)

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