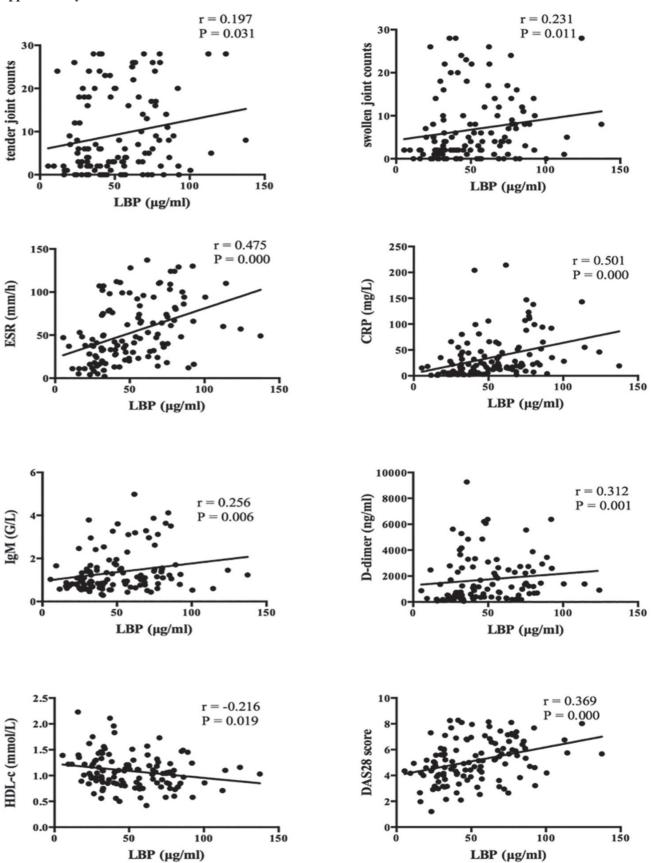
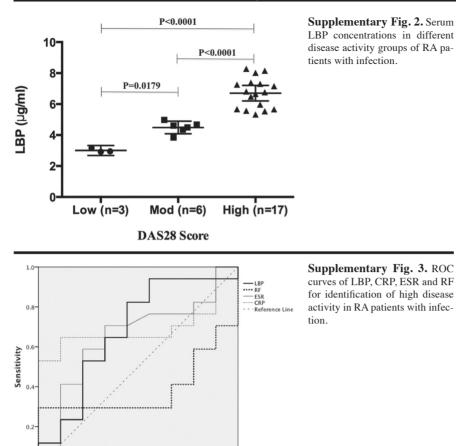
Supplementary material



Supplementary Fig. 1. The significant correlations between serum LBP and clinical features.

## LBP as a biomarker to evaluate disease acctivity in RA / W. Wen et al.



# Supplementary Table I, Part 1.

0.4

1 - Specificity

0.6

0.8

0.2

0.0

Correlation analysis of CRP levels serum with clinical data in patients negative in both CRP and ESR.

1.0

Parameter	Spearman correlation coefficient	<i>p</i> -value	
D-dimer	0.236	0.316	
IgA	0.235	0.305	
IgG	0.034	0.884	
IgM	-0.006	0.978	
C3	0.229	0.319	
C4	-0.254	0.266	
Tender joint counts	0.184	0.425	
Swollen joint counts	0.082	0.725	
DAS28	0.118	0.610	

## Supplementary Table I, Part 2.

Correlation analysis of ESR levels serum with clinical data in patients negative in both CRP and ESR.

Parameter	Spearman correlation coefficient	<i>p</i> -value	
D-dimer	-0.005	0.984	
IgA	0.344	0.126	
IgG	0.308	0.175	
IgM	0.213	0.355	
Č3	0.217	0.344	
C4	0.049	0.833	
Tender joint counts	-0.013	0.954	
Swollen joint counts	0.249	0.264	
DAS28	0.238	0.287	

**Supplementary Table II.** Correlation analysis of LBP levels serum with clinical data in patients negative in both CRP and ESR.

Parameter Spearman correla	ation coefficient	<i>p</i> -value	
D-dimer	0.267	0.255	
IgA	0.290	0.203	
IgG	0.070	0.763	
IgM	0.297	0.190	
C3	-0.091	0.695	
C4	-0.113	0.625	
Tender joint counts	-0.027	0.904	
Swollen joint counts	0.479	0.024*	
DAS28	0.169	0.453	

\*p < 0.05; \*\*p < 0.01; \*\*\*p < 0.001

# Supplementary Table III.

Distribution of the infections in RA patients.

Diagnosis	Case number	LBP levels	<i>p</i> -value
Upper respiratory infection	7	56.32 ± 29.55	0.426
Acute bronchitis	4	$54.98 \pm 27.77$	0.612
Pulmonary infection	12	$62.04 \pm 32.35$	0.083
Tuberculosis	3	$43.17 \pm 32.55$	0.684
Other bacteria	9	$68.33 \pm 31.56$	0.023*
Urinary infection	1	52.14	0.889
Bacteremia	2	99.29 ± 35.11	0.004**
Patients without infections	94	$48.84 \pm 23.48$	-

p<0.05; p<0.01; p<0.01; p-value indicates the significance of serum LBP level elevation compared with that of RA patients without infection.

### Supplementary Table IV.

Comparison of LBP, CRP and ESR in RA patients with and without infections.

	Infection (26)	Non-infection (94)	<i>p</i> -value
LBP	61.90 ± 30.73	48.84 ± 23.48	0.052
CRP	$48.70 \pm 47.38$	$31.03 \pm 38.88$	0.053
ESR	$63.27 \pm 35.00$	$50.52 \pm 39.20$	0.108