Supplementary Information

Supplementary Document. Protocol of immunohistochemistry

Table S1. Antibody Sources and Staining Conditions.

Figure S1. The Kaplan–Meier survival analysis assessed the prognostic value of macrophages (A), neutrophils (B), dendritic cells (C) and mast cells (D).

Protocol of IHC

TMA sections were deparaffinized in xylene and hydrated with distilled water. After the endogenous peroxidase was inhibited by treating with 3% H2O2 for 30 minutes, the sections were heated in a pressure cooker for 5 minutes in unmasking solution (0.01 M sodium citrate buffer, pH ¼ 6) and then incubated with 10% normal goat serum for 30 minutes. Primary antibodies were applied overnight in a moist chamber at 4 ℃. After the primary antibody was washed off, the sections were then washed and incubated with secondary antibodies followed by incubation with DAB.

Table S1. Antibody Sources and Staining Conditions

Markers	Main target	Antibody source	Product number	Dilution
CD68	Macrophage	Dako	Clone PG-M1	1:200
Tryptase	Mast cell	Abcam	ab134932	1:15000
CD1a	Dendritic cell	Abcam	ab108309	1:150
CD66b	Neutrophil	BD Biosciences	Clone G10F5,	1:100

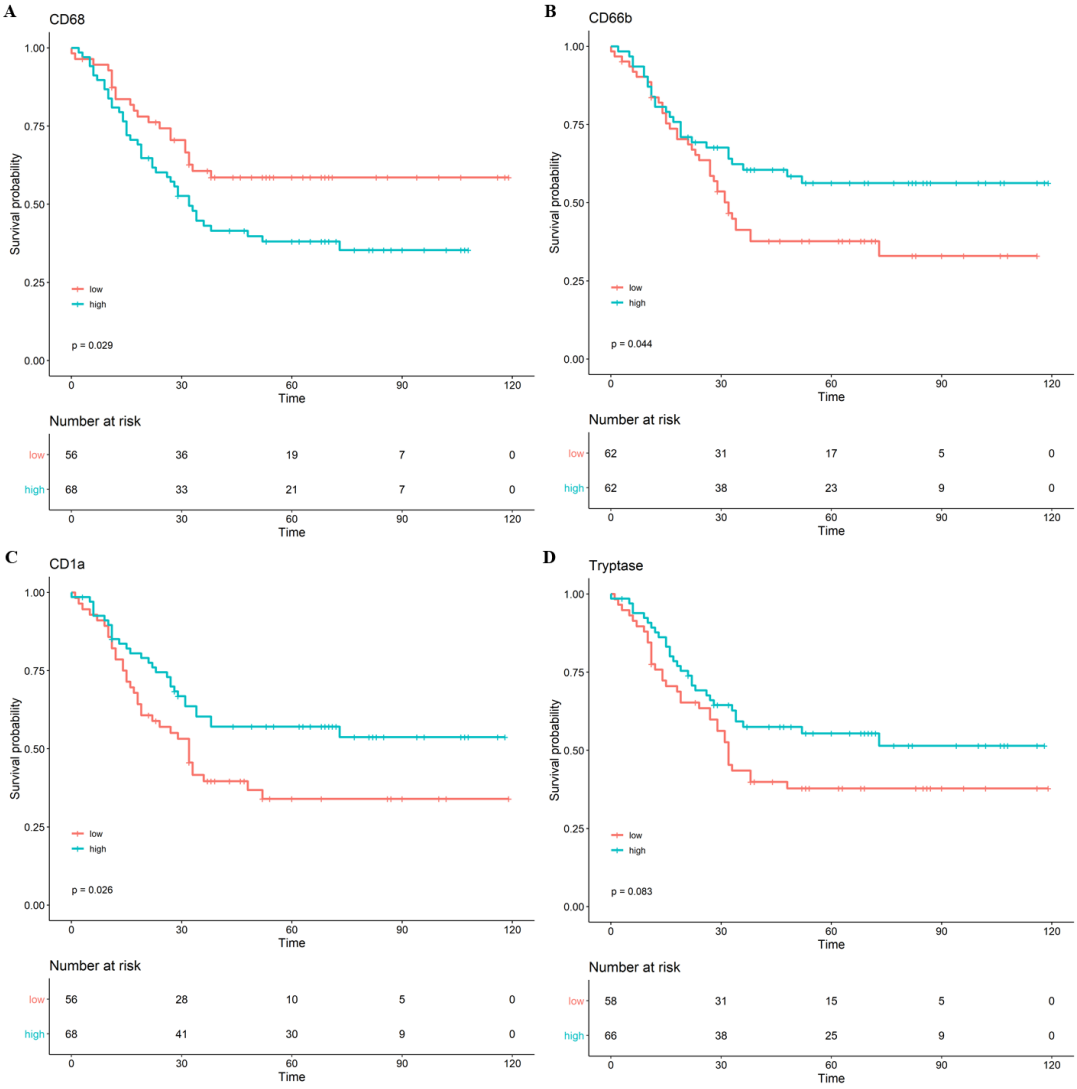
A
CD68
Survival probability
1.00
0.75
0.50
0.25
0.00
low
high
p = 0.029
0
30
60
90
120
Time
Number at risk
low 56 36 19 7 0
high 68 33 21 7 0
B
CD66b
p = 0.044
low 62 31 17 5 0
high 62 38 23 9 0
C
CD1a
p = 0.026
low 56 28 10 5 0
high 68 41 30 9 0
D
Tryptase
p = 0.083
low 58 31 15 5 0
high 66 38 25 9 0

Fig.S1