

Dectin-1 aggravates neutrophil inflammation through caspase-11/4-mediated macrophage pyroptosis in asthma

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Table S1 Clinical characteristics of asthma patients in low Dectin-1 expression group and high Dectin-1 expression group

	No./ Mean	Low Dectin-1	High Dectin-1	<i>P</i>
Age	45.91(12.24)	49.76(13.23)	41.81(9.91)	0.061
Gender (female)	20(60.61)	10(58.82)	10(62.50)	0.829
Age of onset of asthma (y)	43.61(12.11)	48.24(12.81)	38.69(9.35)	0.021
Asthma duration (y)	2.31(3.10)	1.53(2.53)	3.15(3.49)	0.137
Aggravation per year (times)				
0	7(21.21)	5(29.41)	2(12.50)	0.363
1	13(39.39)	7(41.18)	6(37.50)	0.363
≥2	13(39.39)	5(29.41)	8(50.00)	0.363
Phlegm				
Yes	11(33.33)	7(41.18)	4(25.00)	0.325
No	22(66.67)	10(58.82)	12(75.00)	0.325
FeNO (ppb)	51.71 (37.77)	54.36(38.33)	48.00(38.69)	0.694
Lung function				
FEV1%	80.83(16.92)	76.66(18.33)	85.33(14.67)	0.207
FVC%	94.77(13.26)	92.09(12.18)	97.67(14.30)	0.303
FEV1/FVC	72.08(12.17)	70.50(15.80)	73.80(6.65)	0.499
Blood neutrophil counts (10⁹/L)	5.645(3.284)	5.116(3.226)	6.206(3.355)	0.349
Blood eosinophil counts (10⁹/L)	0.355(0.307)	0.353(0.307)	0.358(0.321)	0.966
Induced sputum				
neutrophil %	23.87(18.18)	13.79(11.16)	34.86(18.30)	0.003
eosinophil %	3.76 (4.04)	3.04 (3.98)	4.55(4.15)	0.385

The numerical value is expressed as mean (standard deviation) or number of people (percentage)

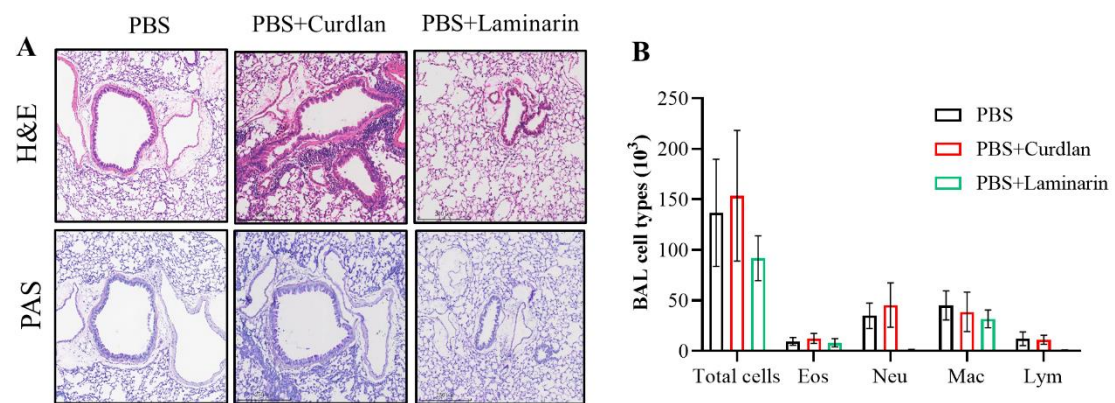


Fig. S1 The role of simple Curdlan and Laminarin in mice.

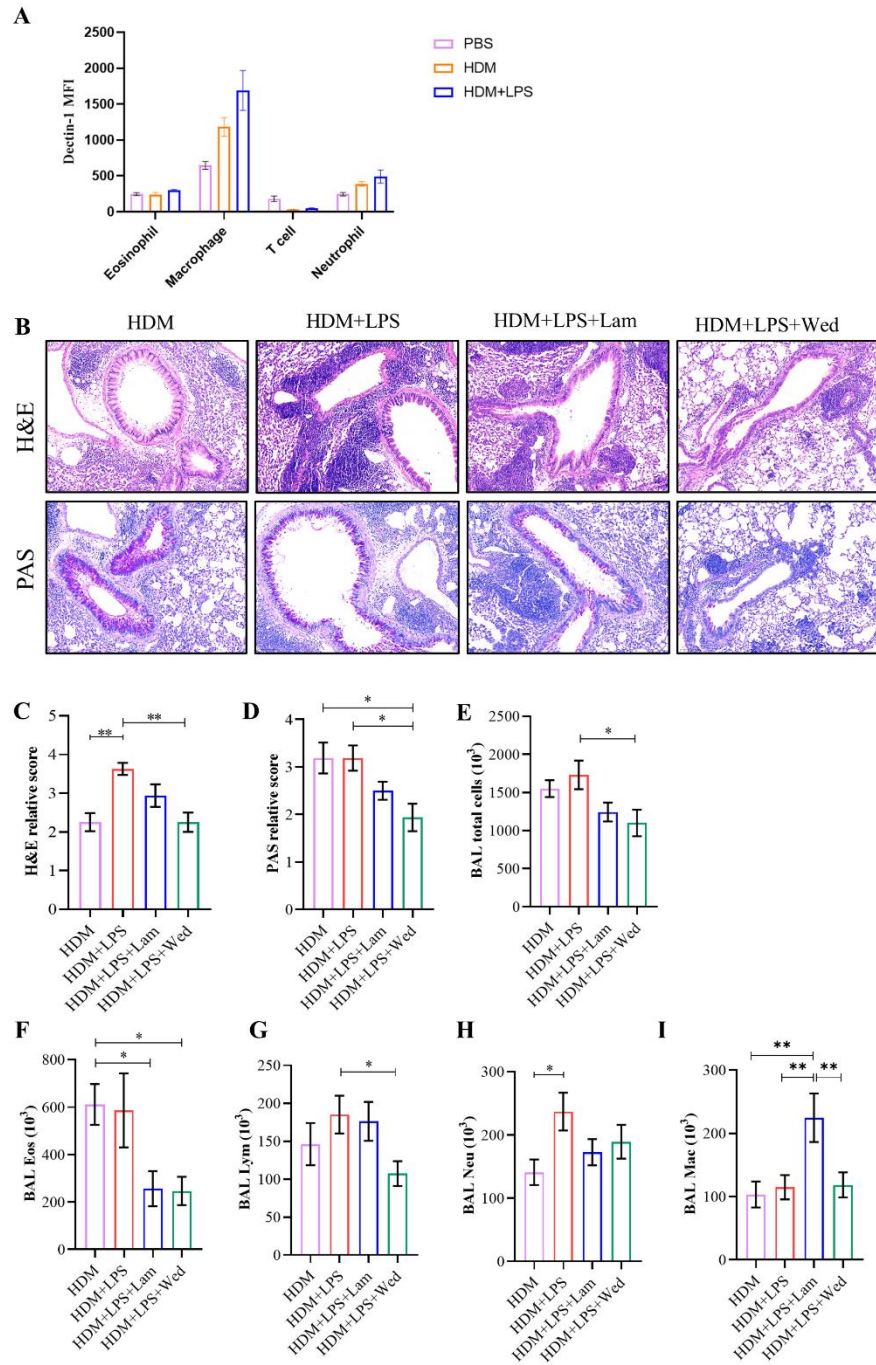


Fig. S2 Wedelolactone had therapeutic effect on neutrophils induced by HDM+LPS in mice

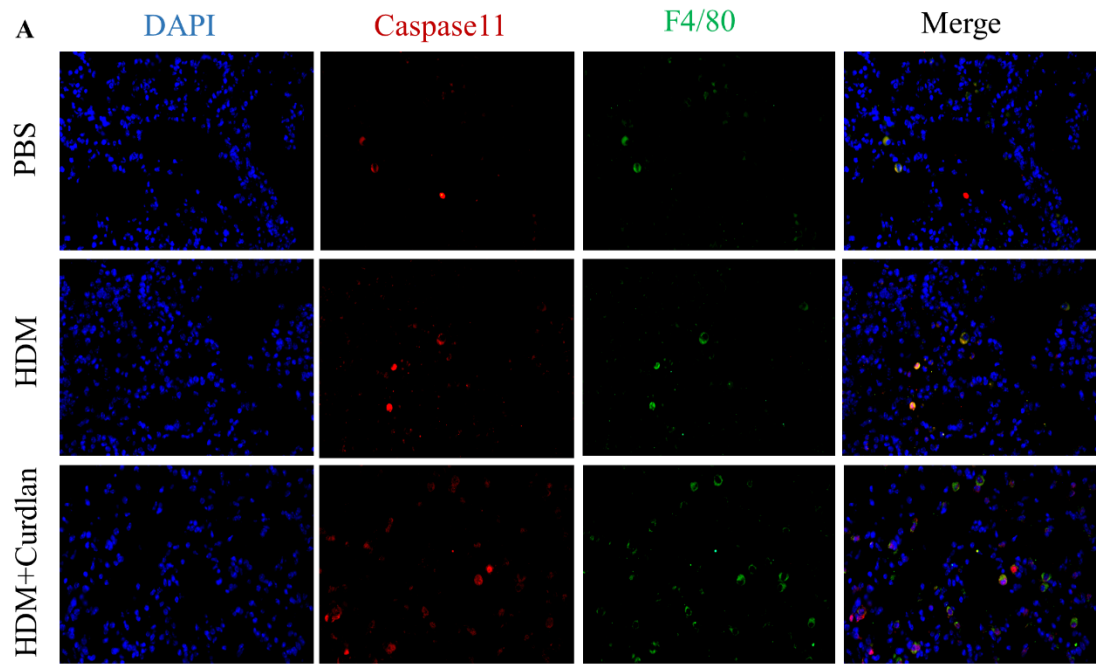


Fig. S3. The expression of caspase-11 in macrophages of HDM or HDM/Curdlan induced mouse lung tissue.