

Supplementary Material - 1

Table S1. Mean plasma levels of intestinal barrier molecules in different sample groups.

	<i>IND</i> (Mean $\pm$ S.E.)	<i>AR</i> (Mean $\pm$ S.E.)	<i>enteritis</i> (Mean $\pm$ S.E.)	<i>sepsis</i> (Mean $\pm$ S.E.)	<i>Unit</i>
N	93	50	18	11	
claudin-3	76.20 $\pm$ 5.07	109.45 $\pm$ 8.04	114.99 $\pm$ 18.91	779.58 $\pm$ 246.18	pg/ mL
occludin	4.02 $\pm$ 0.43	2.34 $\pm$ 0.25	8.00 $\pm$ 1.01	9.01 $\pm$ 0.72	ng/ mL
sIgA	120.17 $\pm$ 7.24	81.64 $\pm$ 5.26	269.08 $\pm$ 36.90	213.43 $\pm$ 23.07	μ g/ mL
zonulin	5.99 $\pm$ 0.32	4.02 $\pm$ 0.24	6.42 $\pm$ 1.86	9.03 $\pm$ 1.28	ng/ mL

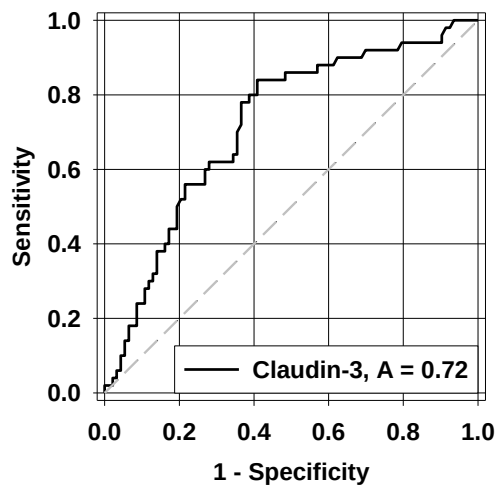
Table S2. Comparison of the plasma levels of intestinal barrier molecules between the IND and AR groups.

	<i>IND</i> (<i>Mean ± S.E.</i>)	<i>AR-mild</i> (<i>Mean ± S.E.</i>) <i>AR-severe</i> (<i>Mean ± S.E.</i>)	<i>Post-Hoc</i> [#] <i>P-value</i>	<i>ANOVA</i> <i>P-value</i>
claudin-3 (pg/ mL)	76.20 ± 5.07	96.88 ± 15.26 102.97 ± 7.53	0.167 0.027	0.041
occludin (ng/ mL)	4.02 ± 0.43	3.66 ± 0.43 1.67 ± 0.34	0.988 0.023	0.032
sIgA (µg/ mL)	120.17 ± 7.24	83.37 ± 7.08 79.92 ± 7.90	0.023 0.011	0.003
zonulin (ng/ mL)	5.99 ± 0.32	4.14 ± 0.41 3.90 ± 0.27	0.006 0.002	<0.001

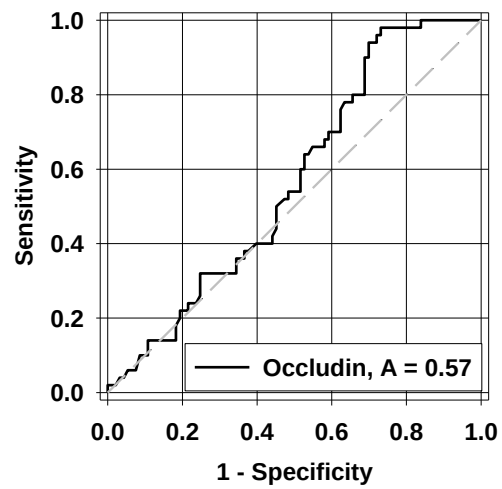
[#] Dunnett's post-hoc test with the IND group as the reference.

Figure S1. ROC curve analysis for determining the optimal cut-off values of (A) claudin-3, (B) occludin, (C) sIgA, and (D) zonulin in the prediction of AR

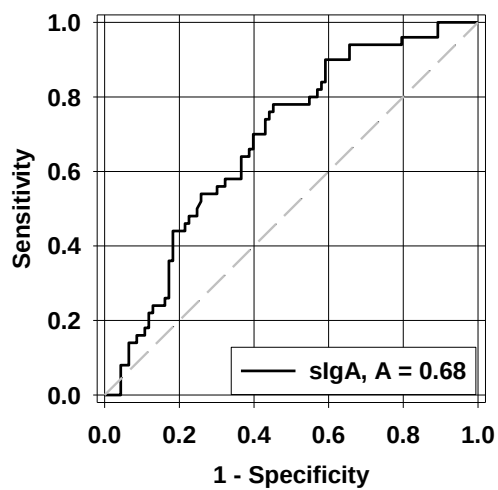
(A)



(B)



(C)



(D)

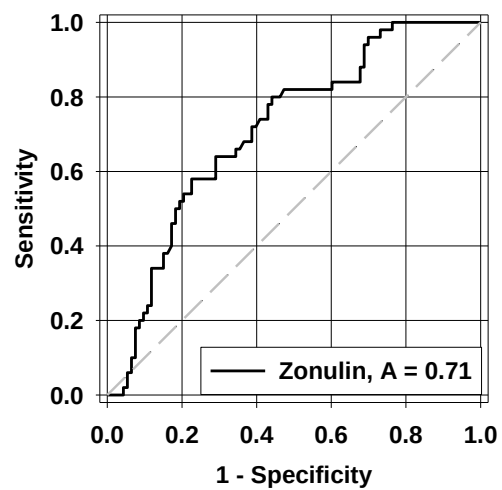


Figure S2. Boxplots of the plasma levels of claudin-3, occludin, sIgA, and zonulin in the IND, AR-mild, and AR-severe groups. The grey circle refers to outlier; the red line refers to the mean value in each group.

