

Table S1. Demographic and clinical characters of the subjects in the subgroups of CHB patients.

	HBeAg- CHB	HBeAg+ CHB
N	156	132
gender	76F/80M	68F/64M
age (year)	40.73±9.59	39.50±13.81
RBC(x10 ¹²)	5.00±1.16	5.08±0.92
WBC(x10 ⁹)	5.64±1.56	5.07±1.84
Lymphocyte(%)	34.49±7.76	35.51±9.05
Lymphocyte(×10 ⁹ /L)	1.90±0.55	1.72±0.62
Neutrophil (%)	53.72±9.18	53.49±9.38
Neutrophil(×10 ⁹ /L)	3.08±1.10	2.80±1.34
Platelets(×10 ⁹ /L)	197.7±60.6	195.3±86.7
ALT(U/L)	66.7±107.4	108.0±143.3
AST(U/L)	49.2±51.2	82.3±105.0
HBsAg(IU/mL)	2074±2053	6339±9264
HBeAg(S/CO)	0.37±0.19	624.5±627.3
HBV-DNA (IU/mL)	2.251±4.176 (x10⁵)	3.657±2.055 (x10⁸)

Table S2. Correlation analysis between RDW and clinical indicators in HBeAg-positive or negative chronic HBV infection and chronic hepatitis B patients

HBeAg-positive chronic HBV infection (immune tolerant)				
	RDW CV%		RDW SD(fl)	
	r	p	r	p
HBsAg	-0.034	0.745	-0.100	0.342
HBeAg	-0.243	0.020*	-0.246	0.018*
HBeAb	-0.126	0.231	-0.052	0.623
HBV DNA	-0.029	0.781	0.088	0.404
ALT	0.085	0.421	0.209	0.045
AST	0.170	0.104	0.330	0.001**
HBeAg-negative chronic HBV infection (inactive carrier)				
	RDW CV%		RDW SD(fl)	
	r	p	r	p
HBsAg	0.151	0.134	0.071	0.482
HBeAg	-0.130	0.198	-0.065	0.521
HBeAb	0.003	0.975	0.001	0.989
HBV DNA	-0.106	0.295	-0.046	0.652
ALT	0.005	0.960	0.034	0.740
AST	-0.164	0.103	-0.033	0.744
chronic hepatitis B				
	RDW CV%		RDW SD(fl)	
	r	p	r	p
HBsAg	-0.113	0.019*	-0.139	0.010*
HBeAg	0.062	0.109	0.094	0.118
HBeAb	0.088	0.060*	0.095	0.156
HBV DNA	-0.024	0.102	-0.025	0.738
ALT	0.104	0.113	0.163	0.018*
AST	0.196	0.001**	0.188	0.005**

*** p<0.001, ** p<0.01, *p<0.05

Table S3. AUC and Cut-off values from ROC curves analysis for RDW (HBV immune tolerant related)

control group	patient group	RDW	AUC	Cutoff value	Sensitivity %	Specificity %
immune tolerant	cirrhosis	SD (fl)	0.8187	44.35	66.18	85.87
		CV (%)	0.7597	13.05	66.91	71.74
immune tolerant+inactive carriers+CHB	cirrhosis	SD (fl)	0.7419	44.05	68.38	68.54
		CV (%)	0.7111	13.05	66.91	66.04
