

Table 2. Values from This Study and Literature Values for Diffusion Coefficients in Gel and Liquid and Partition Coefficient at $T = 25\text{ }^{\circ}\text{C}$

protein	$D_g \times 10^{11}$ (m^2/s)	$D_l \times 10^{11}$ (m^2/s)	k	source
lysozyme	11.2 ± 1.6	14.2 ± 1.9	0.65 ± 0.04	this study, av of 10 expts ^a
	8.0	12.3	0.84	ref 13 ^b
	4.0	11.4	0.63	ref 6 ^{c,e}
BSA	4.8 ± 0.6	9.4 ± 2.2	0.44 ± 0.06	this study, av of 8 expts ^a
	4.1	6.8	0.55	ref 13 ^b
	1.1	3.9	0.55	ref 25 ^{c,e}
	2.6	5.9	0.47	ref 7 ^{d,e}
IgG	3.0 ± 0.3	7.4 ± 2.6	0.51 ± 0.04	this study, av of 7 expts ^a
	0.6	2.6	0.46	ref 25 ^{c,e}
	1.3	4.1	0.47	ref 6 ^{c,e}

^a Electronic speckle pattern interferometry (ESPI). ^b Holographic interferometry (HI). ^c Chromatographic pulse experiments. ^d Fluorescence recovery after photobleaching (FRAP). ^e Diffusion coefficients adjusted to $25\text{ }^{\circ}\text{C}$ according to Stokes–Einstein equation.