

Table 6. Number of atom contacts mediated by main-chain or side-chain atoms in the association of HEWL with HEWL-specific VHHs and conventional antibodies.

	Conventional anti-HEWL antibodies*						Anti-HEWL VHHs					
	D11.15	D1.3	D44.1	F9.13.7	HyHEL 5	HyHEL 8	D2L19	cAb Lys2	cAb Lys3	D3L11	D2L29	D2L24
MC- MC [†]	11	9	15	10	11	8	9	6	14	0	2	21
MC- SC [†]	5	19	11	22	19	14	36	26	56	18	25	26
SC- MC [†]	21	58	13	20	34	46	31	16	11	8	21	56
SC- SC [†]	50	143	70	80	69	104	54	79	66	97	71	58
Total	87	229	109	132	133	172	130	127	147	123	119	161

* These structures are: F9.13.7::GEL (PDB ID code 1FBI), D11.15::JEL (PDB ID code 1JHL), D1.3::HEWL (PDB ID code 1VFB), D44.1::HEWL (PDB ID code 1MLC), HyHEL-5::HEWL (PDB ID code 3HFL) and HyHEL-8::HEWL (PDB ID code 1NDG). PDB, Protein Data Bank. [†] The contacts (within 4 Å distance) between main chain atoms of antibody and main chain atoms of HEWL (MC-MC), main chain atoms of antibody and side chain atoms of HEWL (SC-MC), side chain atoms of antibody and main chain atoms of HEWL (MC-SC) and side chain atoms of antibody and side chain atoms of HEWL (SC-SC). The numbers represent the number of contacts as assessed by the program CONTACT from the CCP4 suite.