

**Electronic annex: Sensitivities and specificities of developed anti hazelnut antibodies.**

**Table 1.** Sensitivity and specificity of developed anti hazelnut monoclonal antibodies as obtained with inhibition ELISA.

Monoclonal antibody	Final dilution supernatant hybridoma	Working range (ppm)	50% inhibition concentration (ppm)	Cross-reaction
48-9F1	17500	0.01-5	0.5	pecan,brazil, cashew, pistachio,rolled oats
45-2E11	2000	1-100	5	poppy seed
45-4G2	2000	0.5-100	5	walnut
48-3B1	1500	0.5-100	6	-
48-10F3	2500	0.5-100	6	-
45-7B3	4000	1-100	10	-
48-8G1	150	1-100	15	-
45-6G4	100	10-2000	80	-
48-3E10	2	-	-	not tested, insufficient final dilution
48-10F7	2	-	-	not tested, insufficient final dilution
50-6B3	1500	0.1-10	0.5	walnut
50-8B11	15000	1-100	4	cashew
50-1G2	10000	1-100	5	-
50-6E1	25000	1-100	5	-
50-4F2	16000	0.1-100	6	-
50-6B12	20000	0.1-100	6	-
50-8A3	30000	1-100	6	-
50-7B8	6000	1-50	6	walnut
50-5H9	20000	1-100	5	-
50-1G10	1000	5-100	50	pecan
50-2D9	750	10-100	50	many
50-3A11	1500	5-100	70	many
50-6G7	60	10-100	100	not tested, insufficient final dilution

**Table 2.** Sensitivity and specificity of developed anti hazelnut polyclonal antibodies as obtained with inhibition ELISA.

Polyclonal antibody	Final dilution serum	Working range (ppm)	50% inhibition concentration (ppm)	Cross-reaction
MH 25 (rabbit)	5000	0.1-10	0.5	Walnut, cashew
MH 5 (sheep)	3000	0.1-10	0.5	Pecan, walnut, cashew
MH6 (sheep)	3000	0.1-10	0.5	Pecan, walnut, cashew, chickpea