

Table S1 Clinical and serological characterization of fish-allergic patients.

No.	Sex ^a	Age (years)	Fish IgE levels (kUA/L) ^b	Symptoms ^c
HS1	M	25	3.68	C
HS2	F	26	0.6	U
HS3	F	41	1.25	Ba
HS4	M	29	0.78	Ac
HS5	F	22	1.65	U,Ac
HS6	F	13	4.32	Ad
HS7	F	25	0.00	-
HS8	M	18	0.00	-
HS9	F	9	0.00	-
HS10	F	34	0.00	-

^a F, female; M, male.

^b A serum with specific IgE > 0.35 (kU/L) is defined as positive.

^c C, cough; U, urticaria; Ba, bronchial asthma; Ac, asthma and cough; Ad, atopic dermatitis.

Table S2 Information of reagents and antibodies.

Antibody	Fluorochrome	Dilution	Clone	Company	Reference No.
MHCII	FITC	1/50	M5/114.15.2	Biogenesis	107605
CD80	PE	1/20	16-10A1	Biogenesis	104707
CD83	BV421	1/20	Michel-19	BD	562932
CD86	PE-Cyanine 7	1/20	GL1	eBioscience™	25-0862-82
Live/Dead	Fixable Viability Dye eFluor™ 780	—	—	eBioscience™	65-0865-14