

Supplementary Table S1 Detailed information of the antibodies used.

Primary antibody	Supplied by	Marker for	Dilution or concentration	Incubation temperature	Incubation period
Goat anti-human IgG (IHC)	Sigma, St Louis, MO, USA	IgG (whole molecule)	1:300 (IHC)	4°C	Overnight
Rabbit anti-human Igγ (IHC, IEM, IF)	Dako Carpinteria, CA, USA	Igγ	1:1000 (IHC), 1:300 (IEM), 1:500 (IF)	4°C	Overnight
Mouse anti-human Igκ (IHC)	Invitrogen, Zymed Laboratories, South San Francisco, CA, USA	Igκ	1:100	4°C	Overnight
Rabbit anti-human Igκ (IEM)	Dako Glostrup, Denmark	Igκ	1:1000	4°C	Overnight
Rabbit anti-human Igμ (IHC)	ZSGB-BIO, Beijing, China	Igμ	1:300	4°C	Overnight
Mouse anti-human CD20 (IHC, IF)	Invitrogen, Zymed Laboratories, South San Francisco, CA	B lymphocyte	1:100(IHC)/working solution ready to use (IF)	4°C	Overnight
Mouse anti-human CK7 (IHC)	Invitrogen, Zymed Laboratories, South San Francisco, CA, USA	Trophoblast	1:100 (IHC)	4°C	Overnight
RAG1 (IHC)	Santa Cruz Biotechnology, Inc., Santa Cruz, CA, USA	RAG1	1:50	4°C	Overnight
RAG2 (IHC)	Protein Tech Group, Inc., Chicago, IL, USA	RAG2	1:50	4°C	Overnight
Mouse anti-human Igγ (PCC)	Sigma, St Louis, MO, USA	Igγ	1:500	4°C	Overnight
Goat anti-human FcRn (IEM)	Santa Cruz Biotechnology, Inc., Santa Cruz, CA	FcRn	1:3	4°C	Overnight
Mouse anti-human cytokeratin 7/17 (PCC)	Santa Cruz Biotechnology, Inc., Santa Cruz, CA	Trophoblast	1:200	4°C	Overnight
Mouse anti-human CD68 (PCC)	ZSGB-BIO, Beijing, China	Macrophage	1:100 (PCC)	4°C	Overnight
Rabbit anti-human PLAP (PCC)	ZSGB-BIO, Beijing, China	Syncytiotrophoblast	1:50	4°C	Overnight
Rabbit anti-human CD20 (PCC)	ZSGB-BIO, Beijing, China	B lymphocyte	1:100 (PCC)	4°C	Overnight
Rabbit anti-human CD3 (IHC)	ZSGB-BIO, Beijing, China	T cells	1:100	4°C	Overnight
Rabbit anti-human CD57 (IHC)	ZSGB-BIO, Beijing, China	NK cells	1:100	4°C	Overnight