

## Immunoglobulin G Expression in Human Sperm and Possible Functional Significance

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**Supplementary table S1.** Antibodies used in this study.

Name	Host species	Clonality	Dilution	Manufacture
Anti-human IgG antibody ( $\gamma$ chain specific)	rabbit	polyclonal	1:100	Dako, Denmark
Anti-human IgG antibody ( $\lambda$ chain specific)	rabbit	monoclonal	1:100	ZSGB-BIO, Beijing, China
Anti-human IgG antibody ( $\kappa$ chain specific)	mouse	polyclonal	1:100	Dako, Denmark
Alexa Fluor® 594 anti-rabbit IgG (H+L)	donkey	polyclonal	1:400	Jackson Immuno. Research Lab, USA
Alexa Fluor® 488 anti-mouse IgG (H+L)	goat	polyclonal	1:400	Invitrogen, USA
Anti-human GAPDH antibody	mouse	polyclonal	1:2000	Santa Cruze, USA

**Supplementary table S2.** Primers used for PCR amplification.

<b>Gene Name</b>	<b>Primer sequence (5'-3')</b>	
IGHG1	External	ACGGCGTGGAGGTGCATAATG (sense)
		CGGGAGGCGTGGTCTTGTAGTT (anti-sense)
	Internal	GACTGGCTGAATGGCAAGGAG (sense)
		GGCGATGTCGCTGGGATAGAA (anti-sense)
RAG1	External	TGGATCTTTACCTGAAGATG (sense)
		CTTGGCTTTCCAGAGAGTCC (anti-sense)
	Internal	CACAGCGTTTTGCTGAGCTC (sense)
		AGCTTGCCTCAGGGTTCATG (anti-sense)
RAG2	External	TGGAAGCAACATGGGAAATG (sense)
		CATCATCTTCATTATAGGTGTC (anti-sense)
	Internal	TTCTTGGCATAACCAGGAGAC (sense)
		CTATTTGCTTCTGCACTG (anti-sense)
AID	External	GAAGAGGCGTGACAGTGCT (sense)
		CGAAATGCGTCTCGTAAGT (anti-sense)
	Internal	CCTTTTCACTGGACTTTGG (sense)
		TGATGGCTATTTGCACCCC (anti-sense)
GAPDH	External	ACCACAGTCCATGCCATCAC (sense)
		TCCACCACCCTGTTGCTGTA (anti-sense)
	Internal	ACCACAGTCCATGCCATCAC (sense)
		TCCACCACCCTGTTGCTGTA (anti-sense)
IgG $\lambda$	External	GAGCCTGACGCCTGAG (sense)
	Internal	ATTGAGGGTTTATTGAGTGCAG (anti-sense)
IgG $\kappa$	External	TGAGCAAAGCAGACTACGAGA (sense)
	Internal	GGGGTGAGGTGAAAGATGAG (anti-sense)
CD19	External	TACTATGGCACTGGCTGCTG (sense)
	Internal	CACGTTCCCGTACTGGTTCT (anti-sense)