

Porcine C_H Nomenclature [01-05-09]

Current Designation	Chain & Allotype*	Gene	Serological Allele	Sequence Allele	GenBank Acct. No.	Major Features and Other Information
IgG1 ^a	γ1 ^a	IGHG1.01	G1 ^a ?	IGHG1.01	U03781	Differ in the hinge
IgG1 ^b	γ 1 ^b	IGHG1.02	G1 ^b ?	IGHG1.02	U03778	
IgG2 ^a	γ 2 ^a	IGHG2.01		IGHG2.01	U03779	Allotypic difference confined to CH2 domain.
IgG2 ^b	γ 2 ^b	IGHG2.02		IGHG1.02	U03780	
IgG3	γ 3	IGHG3.01		IGHG3.01	EU372658	No known allotypes
IgG4 ^a	γ 4 ^a	IGHG4.01		IGHG4.01	U03782	Major differences in the hinge exon
IgG4 ^b	γ 4 ^b	IGHG4.02		IGHG4.02	EU372654	
IgG5 ^a	γ 5 ^a	IGHG5.01		IGHG5.01	EU372657	Major differences in the CH1 domain and hinge
IgG5 ^b	γ 5 ^b	IGHG5.02		IGHG5.02	EU372656	
IgG6 ^a	γ 6 ^a	IGHG6.01		IGHG6.01	EU372655	Major differences in the CH3 domain
IgG6 ^b	γ 6 ^b	IGHG6.02		IGHG6.02	EU372653	
IgA ^a	α1 ^a	IGHA	A ^a	A + 01	U12594	Splice acceptor site mutation in IgA ^b results in a four aa reduction in hinge length.
IgA ^b	α1 ^b		A ^b	A + 02		
IgM	μ	IGHM			U50149	Gene, switch region, and secretion domain
IgE	ε	IGHE			U96100	
IgD	δ	IGHD			AF411239	μCH1 like δCH1, short hinge
					AF515674	Sequence of membrane form

* γ allotypes are based on occurrence and sequence, not on mating or mapping studies and on unpublished serological data.

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