

SUPPLEMENTARY MATERIAL

Table S1: list of proteins identified after mass spectrometry as TLRs or TLR-related proteins.

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Protein name	Band name	Sample	Donor type	Theoretical MW	Observed MW	Uniprot ID	identified peptides	protein score
TLR2	B4	Globules colostrum	healthy, pre-term	87515	100000	O60603	LFDENNDAAIILILEPIEK TLEILDVSNNNLNLFSNLPQLK	127
TLR2	G2	Globules colostrum	pre-term	87515	100000	O60603	SLDLSNNR TGETLLTLK	71
TLR2	B2	Globules colostrum	term	87515	100000	O60603	GQQVQDVR	47
TLR2	G11	Globules mature	term	87515	100000	O60603	SLDLSNNR VGNMDTFTK + oxidation	87
Monocyte differentiation antigen CD14	B6	Globules colostrum	term	40678	50000	P08571	ATVNPSAPR	37
Monocyte differentiation antigen CD14	B11	Globules mature	term	40678	50000	P08571	ATVNPSAPR AFPALTSLDLSDNPGLGER	41
Monocyte differentiation antigen CD14	B12	Globules mature	term	40678	45000	P08571	ATVNPSAPR	64
Monocyte differentiation antigen CD14	G12	Globules mature	term	40678	75000	P08571	ATVNPSAPR	32
Monocyte differentiation antigen CD14	G13	Globules mature	term	40678	50000	P08571	QYADTVK ATVNPSAPR VLDLSCNR AFPALTSLDLSDNPGLGER	179
CD36 Platelet glycoprotein 4	G3	Globules colostrum	term	53589	75000	P16671	TGTEVYR SSMFQVR + oxidation VAIIDTYK QVVLEEGTIAFK SQVLQFFSSDICR TYLDIEPITGFTLQFAK AFASPVENPDNYCFCTEK	351
CD36 Platelet glycoprotein 4	G12	Globules mature	term	53589	75000	P16671	TGTEVYR SSMFQVR + oxidation VAIIDTYK QVVLEEGTIAF SIYAVFESDVNLK SQVLQFFSSDICR TYLDIEPITGFTLQFAK AFASPVENPDNYCFCTEK	503

CD36 Isoform 2 of Platelet glycoprotein 4	S1	Skimmed colostrum	term	32586	75000	P16671-2	TGTEVYR	51
CD36 Isoform 4 of Platelet glycoprotein 4	B8	Globules colostrum	pre-term	46631	75000	P16671-4	SIYAVFESDVNLK SIYAVFESDVNLK SQVLQFFSSDICR TYLDIEPITGFTLQFAK	278
CD36 Isoform 4 of Platelet glycoprotein 4	G8	Globules colostrum	term	46631	50000	P16671-4	VAIIDTYK SIYAVFESDVNLK SQVLQFFSSDICR	118
CD36 Isoform 4 of Platelet glycoprotein 4	S2	Skimmed colostrum	pre-term	46631	75000	P16671-4	QVVLEEGTIAFK SIYAVFESDVNLK SQVLQFFSSDICR TYLDIEPITGFTLQFAK	183
Leucine-rich alpha-2-glycoprotein	S5	Skimmed colostrum	term	38382	50000	P02750	CAGPEAVK VAAGAFQGLR ALGHLDLSGNNR DLLLPQPDLR ENQLEVLEVSWLHGLK TLDLGENQLETLPDLLR	339
Isoform 2 of Leucine-rich repeats and immunoglobulin-like domains protein 1	G7	Globules colostrum	term	117958	75000	Q96JA1-2	LCAGSAYHK	31
Isoform 2 of Leucine-rich repeats and immunoglobulin-like domains protein 1	G12	Globules mature	term	117958	75000	Q96JA1-2	LCAGSAYHK	31
Isoform 2 of Leucine-rich repeats and immunoglobulin-like domains protein 1	S3	Skimmed colostrum	term	117958	75000	Q96JA1-2	LCAGSAYHK	41
Isoform 2 of Leucine-rich repeats and immunoglobulin-like domains protein 1	S4	Skimmed colostrum	term	117958	66000	Q96JA1-2	LCAGSAYHK	45
isoform 2 of Tenascin	S3	Skimmed colostrum	term	196895	75000	P24821-2	SIPVSAR FTTDLDSPR LDAPSQIEVK ETFTTGLDAPR VPGDQTSTIIQELEPGVEYFIR	193
isoform 2 of Tenascin	S4	Skimmed colostrum	term	196895	66000	P24821-2	CVCEQGFK CPSDCHGQGR VPGDQTSTIIQELEPGVEYFIR	92

isoform 2 of Tenascin	S5	Skimmed colostrum	term	196895	50000	P24821-2	AAIDSYR SFSTFDK AYAAGFGDR IQALNGPLR FTDLDSPR APTAQVESFR ITAQGQYELR EEFWLGLDNLNK DTDSAITNCALSYK SNMIQTIFTTIGLLYPFPK DLTATEVQSETALLTWRPPR TVSGNTVEYALTDLEPATEYTLR	539
isoform 2 of Tenascin	S6	Skimmed colostrum	term	196895	37000	P24821-2	DLTATEVQSETALLTWRPPR	34
isoform 2 of Tenascin	S8	Skimmed colostrum	term	196895	100000	P24821-2	SIPVSAR AAIDSYR AYAAGFGDR CVCEQGFK LDAPSQIEVK ETFTTGLDAPR YAPISGGDHAEVDVPK GLEPGQEYNVLLTAEK VPGDQTSTIIQELEPGVEYFIR ETSVEVEWDPLDIAFETWEIIFR DVTDTTALITWFKPLAEIDGIELTYGIK	493
isoform 2 of Tenascin	S10	Skimmed colostrum	term	196895	25000	P24821-2	ITAQGQYELR LEELENLVSSLR	86
isoform 2 of Tenascin	B1	Globules colostrum	term	196895	150000	P24821-2	LSWTADEGVFDNFVLK	60
isoform 2 of Tenascin	B2	Globules colostrum	term	196895	100000	P24821-2	CVCEQGFK	22
isoform 2 of Tenascin	B6	Globules colostrum	term	196895	50000	P24821-2	FTDLDSPR	45
isoform 2 of Tenascin	B11	Globules mature	term	196895	50000	P24821-2	TAHISGLPPSTDFIVYLSGLAPSIR	60
isoform 2 of Tenascin	G12	Globules mature	term	196895	75000	P24821-2	TVSGNTVEYALTDLEPATEYTLR TAHISGLPPSTDFIVYLSGLAPSIR	121
isoform 4 of Tenascin	B12	Globuli maturo	term	236365	45000	P24821-4	AGTPYVTTLHGEVR AHISGLPPSTDFIVYLSGLAPSIR	140
isoform 4 of Tenascin	S1	Skimmed colostrum	term	236365	75000	P24821-4	NLTVPGSLR LDAPSQIEVK LEELENLVSSLR	46

Zinc-alpha-2-glycoprotein	S3	Skimmed colostrum	term	34465	75000	P25311	AGEVQEPELR	64
Zinc-alpha-2-glycoprotein	S4	Skimmed colostrum	term	34465	66000	P25311	AYLEEECPATLR	61
Zinc-alpha-2-glycoprotein	S5	Skimmed colostrum	term	34465	50000	P25311	AGEVQEPELR YSLTYIYTGLSK EIPAWVPFPDPAAQITK	134
Zinc-alpha-2-glycoprotein	S6	Skimmed colostrum	term	34465	37000	P25311	QDSQLQK SQPMGLWR + oxidation AGEVQEPELR FGCEIENNR WEAEPVYVQR YSLTYIYTGLSK AYLEEECPATLR QKWEAEPVYVQR YYVDGKDYIEFNK QDPPSVVVTSHQAPGEK QDPPSVVVTSHQAPGEK EIPAWVPFPDPAAQITK QVEGMEDWKQDSQLQK HVEDVPAFQALGSLNDLQFFR	699
Zinc-alpha-2-glycoprotein	S7	Skimmed colostrum	term	34465	25000	P25311	AGEVQEPELR	43
Zinc-alpha-2-glycoprotein	S8	Skimmed colostrum	term	34465	100000	P25311	AGEVQEPELR YSLTYIYTGLSK	91
Zinc-alpha-2-glycoprotein	S9	Skimmed colostrum	term	34465	30000	P25311	AGEVQEPELR QDPPSVVVTSHQAPGEK HVEDVPAFQALGSLNDLQFFR	172

Figure S1: complete Western blot with anti TLR2 for MFGM colostrum

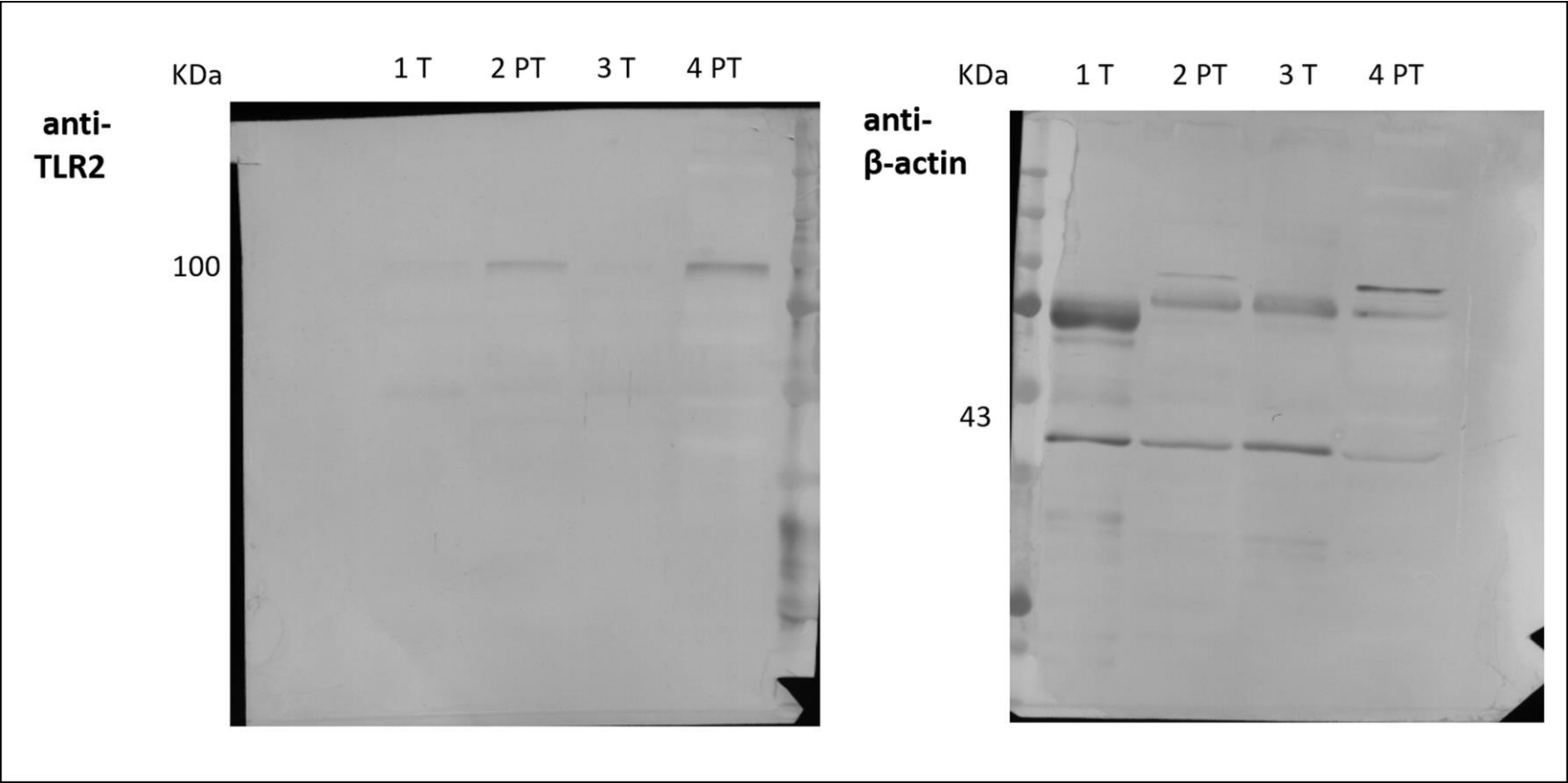


Figure S2: complete Western blot with anti TLR2 for MFGM mature milk

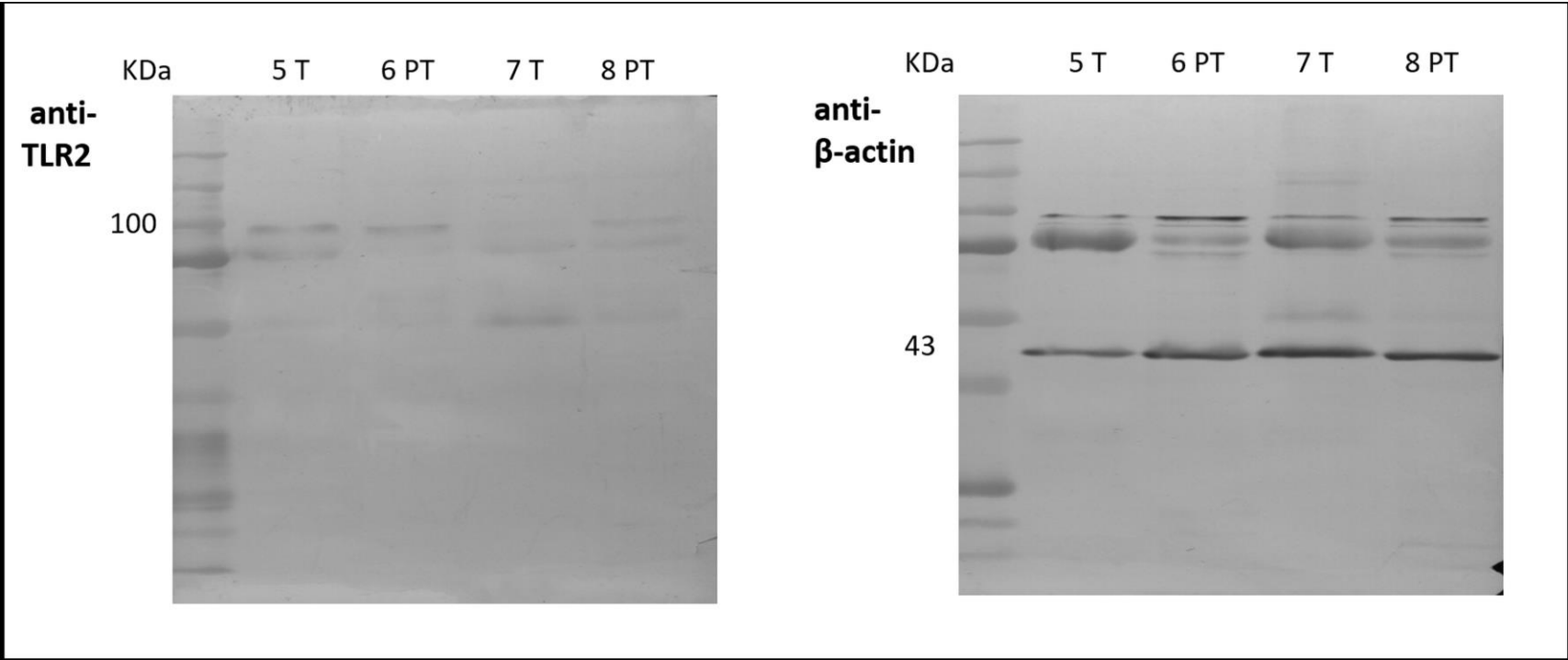


Figure S3: complete Western blot with anti TLR4 for MFGM colostrum

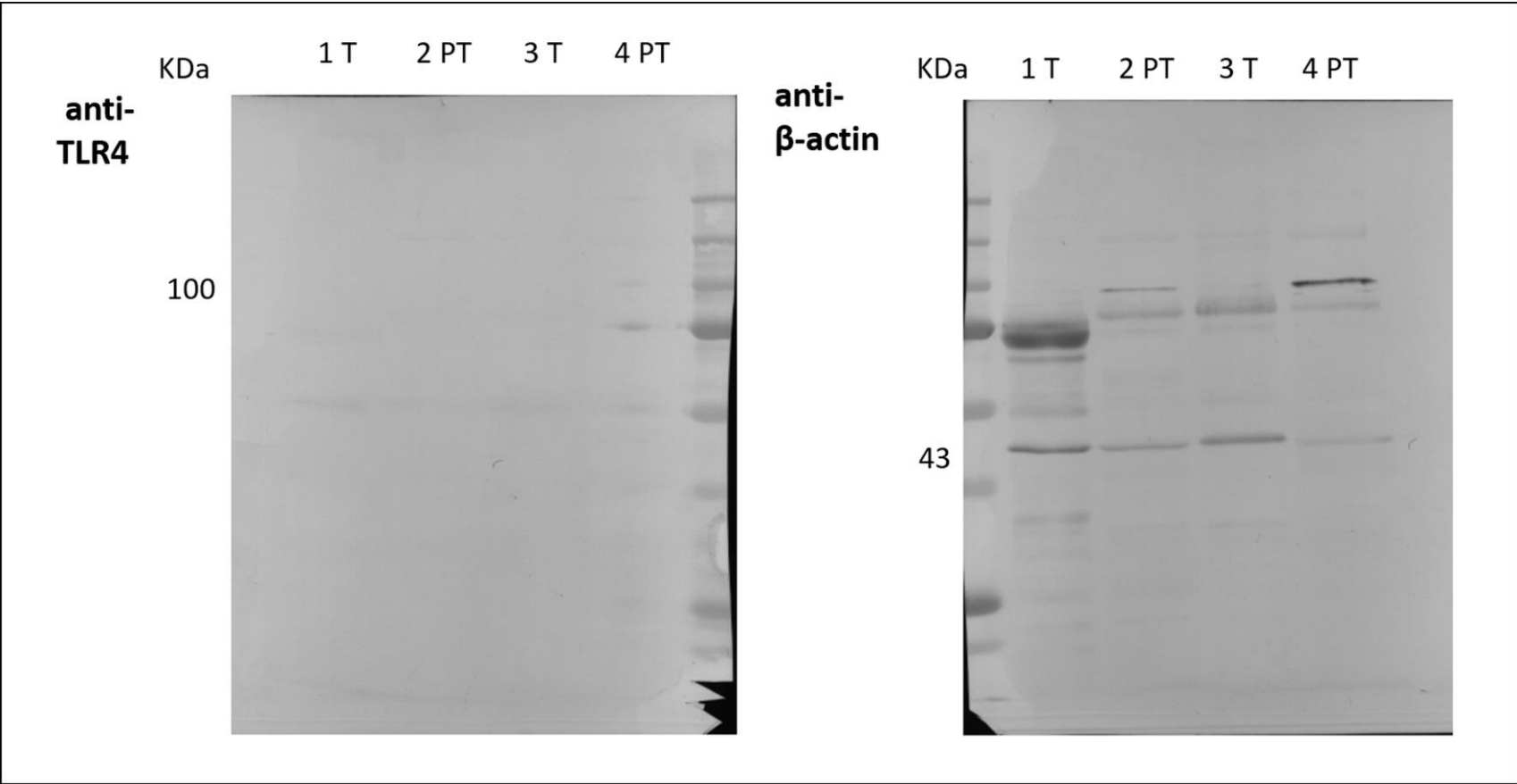


Figure S4: complete Western blot with anti TLR4 for MFGM mature milk

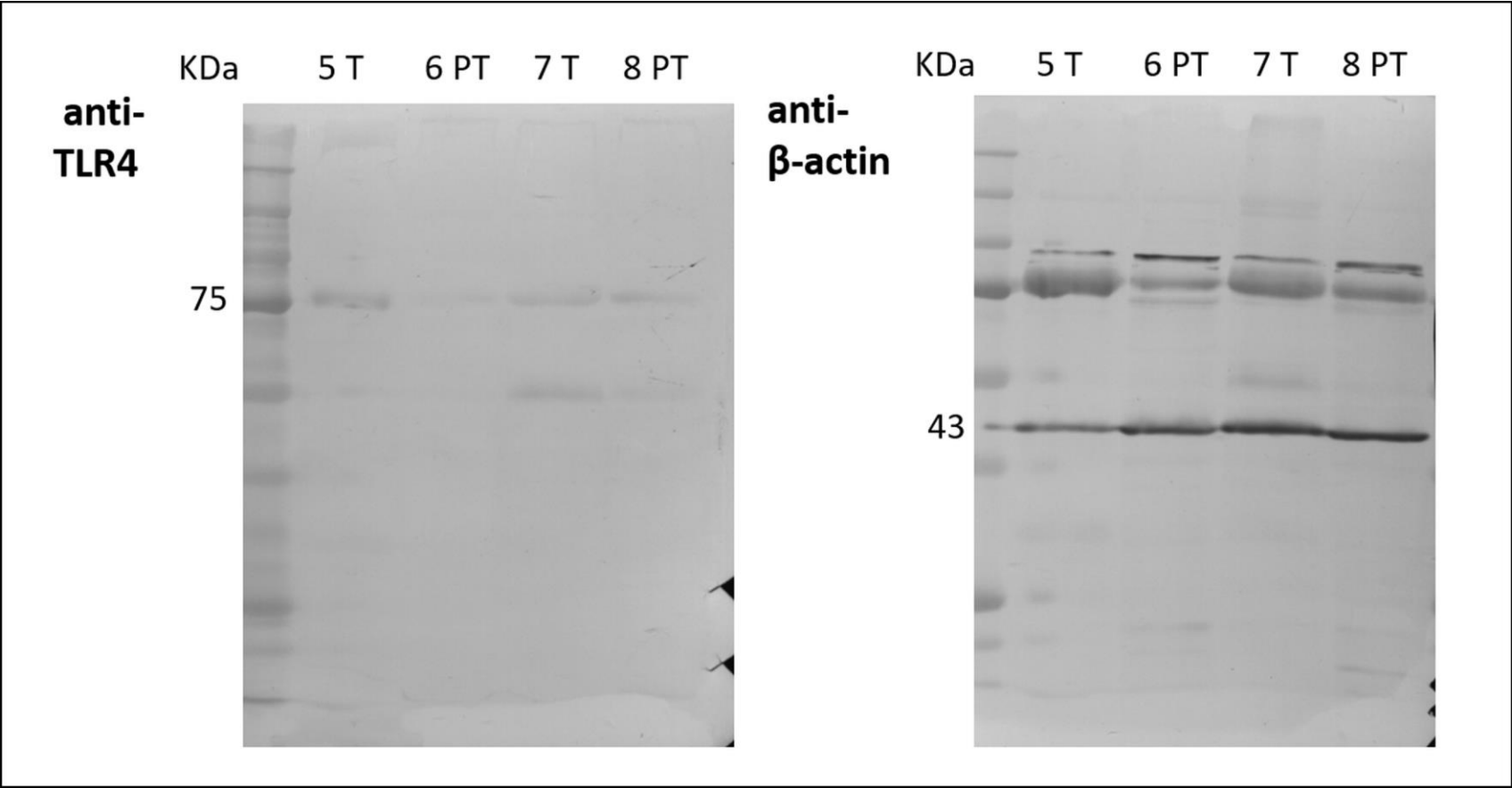


Figure S5: complete Western blot with anti TLR2 for Skimmed colostrum

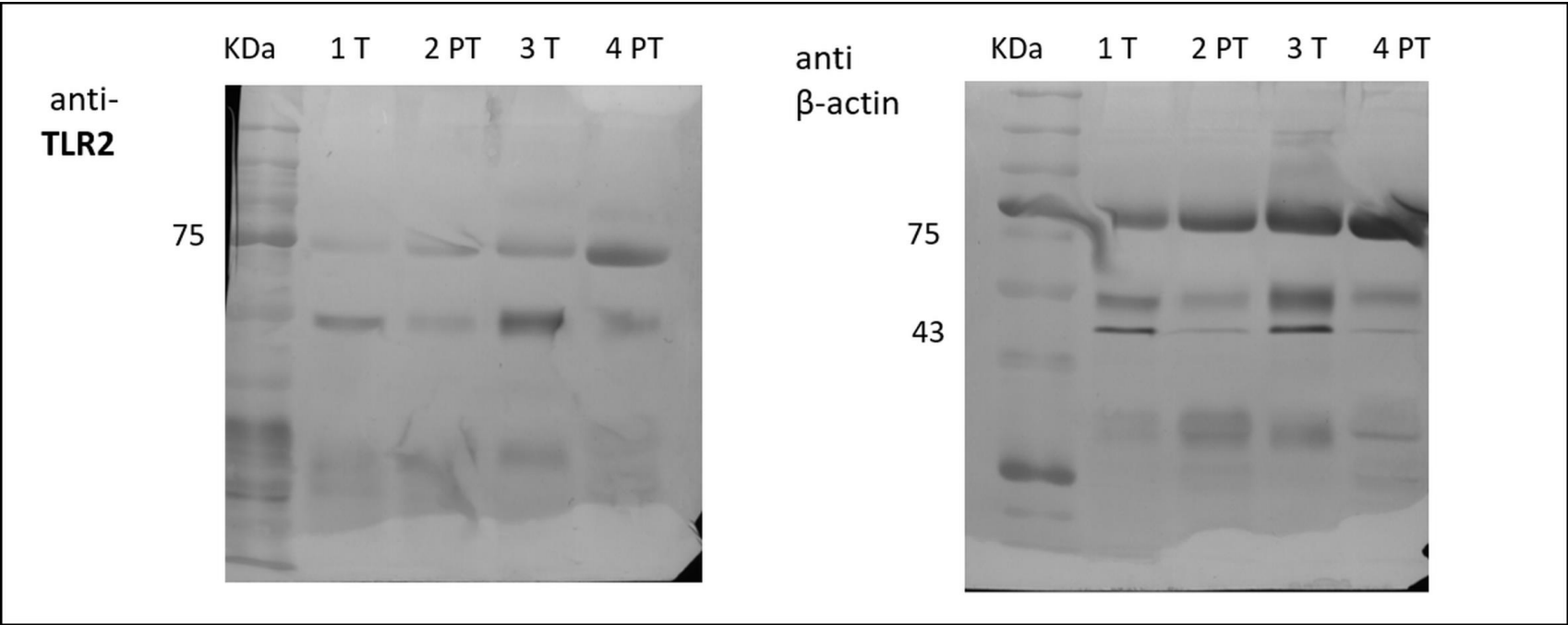


Figure S6: complete Western blot with anti TLR2 for Skimmed mature milk

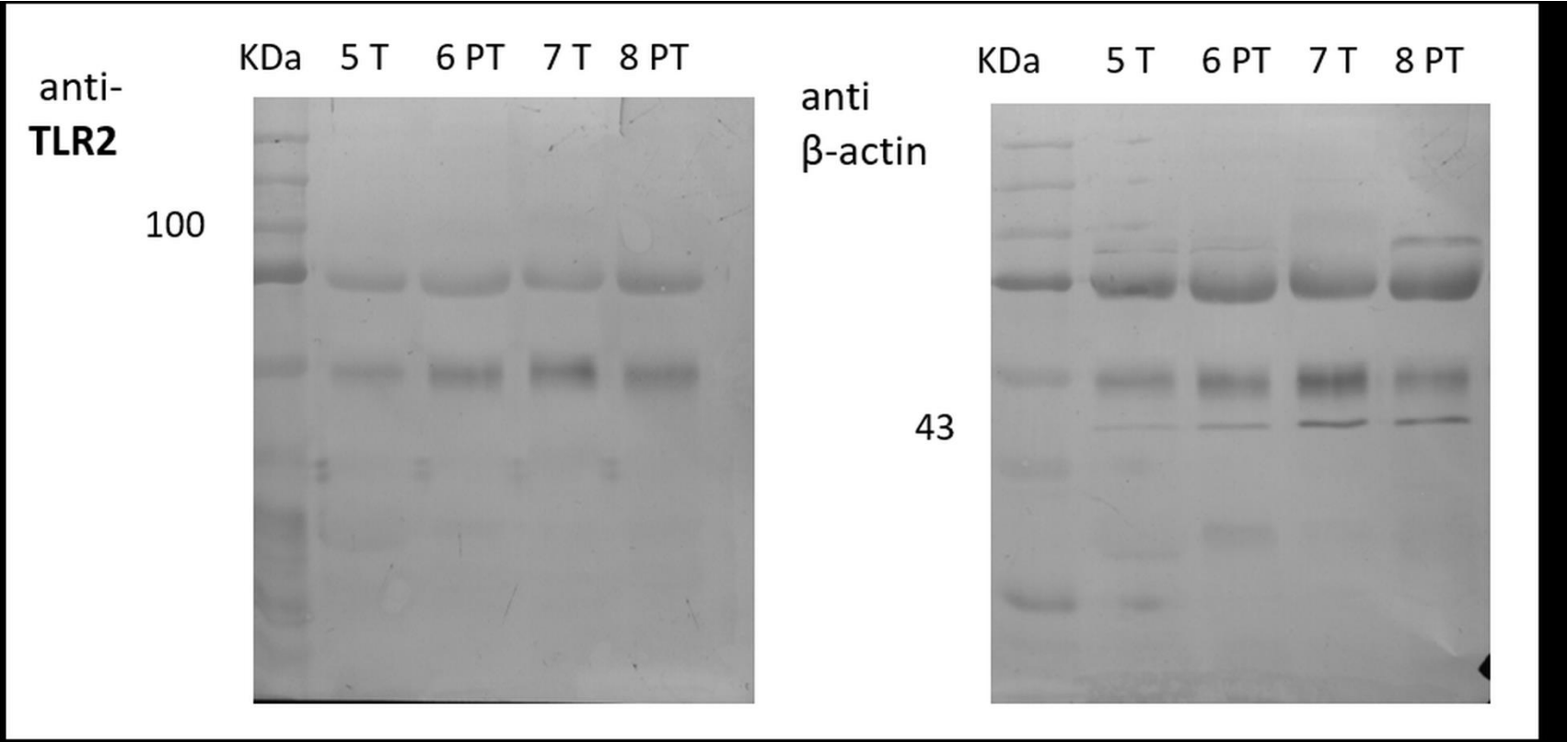


Figure S7: complete Western blot with anti TLR4 for Skimmed colostrum

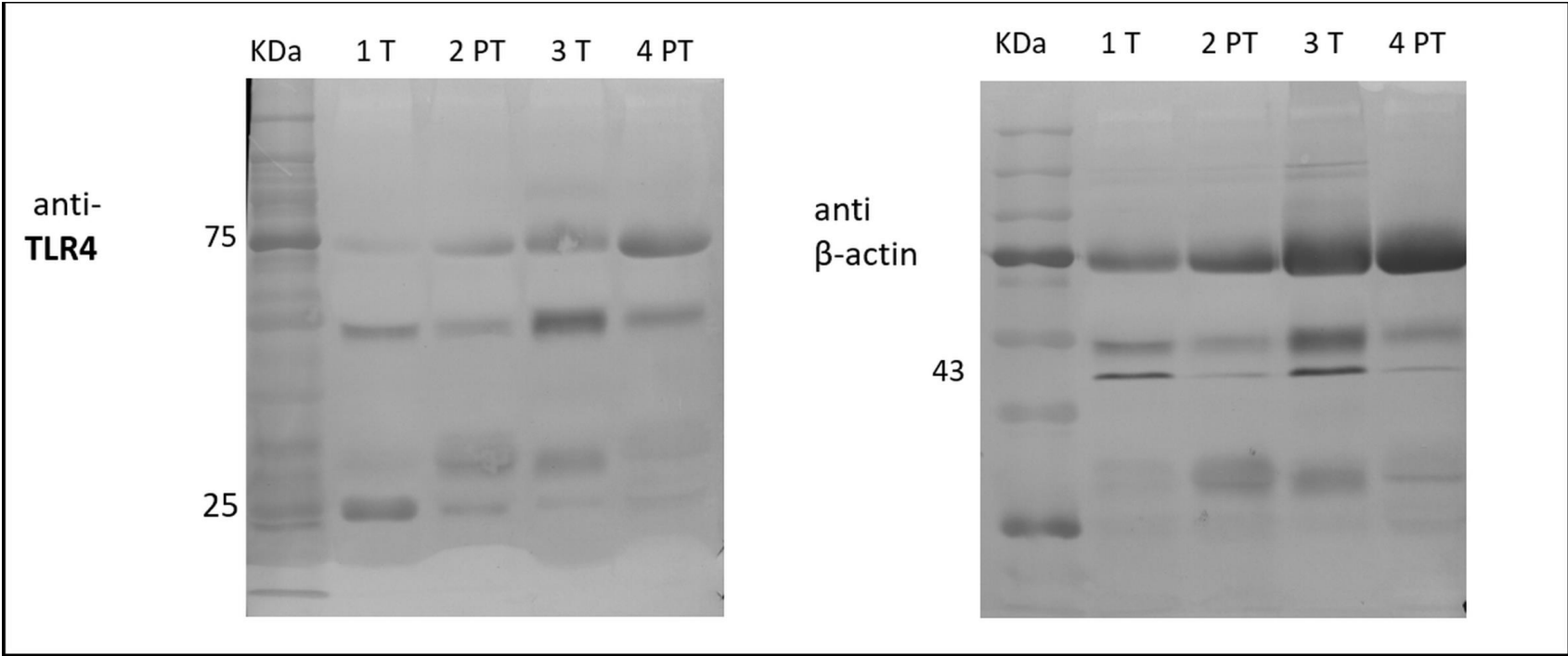


Figure S8: complete Western blot with anti TLR4 for Skimmed mature milk

