

M	PBS	mAb T3	PBS	PBS	PBS	PBS	mAb T3	PBS	M
mAb Tg	TPO	TPO	Tg_R132	Tg_R132	TPO	TPO	Tg_R132	Tg_R132	mAb T4-1
mAb Tg	T4	T4	Tg_8TG52	Tg_8TG52	T4	T4	Tg_8TG52	Tg_8TG52	mAb T4-1
PBS	T3	T3	PDS	PDS	T3	T3			PBS
mAb TPO	CA2	CA2	PDS	PDS			PDS	PDS	mAb T4-2
mAb TPO	CA2	CA2	PK	PK	CA2	CA2	PK	PK	mAb T4-2
IgG				PBS	PBS	PBS	PBS		IgG 3.1
M	IgG	IgG	IgG	PBS	PBS	PBS	PBS	IgG	M

**Figure S1.** Microarray layout. Abbreviations: TPO - Thyroid peroxidase, Tg - Thyroglobulin, T3-HRP - 3,5,3'-Triiodothyronine (T3) Conjugate with Horseradish Peroxidase, T4-HRP - Thyroxine (T4) conjugate with horseradish peroxidase, PDS - pendrin, PK - pyruvate kinase, CA2 - carbanhydrase 2, IgG - human immunoglobulin G, mAb - mouse monoclonal antibodies, PBS - phosphate-buffered saline (Reference empty elements with no proteins), M - marker elements