

SUPPLEMENTAL TABLE S1: ANTIGENS, ABBREVIATIONS, CONCENTRATIONS AND SOURCES					
Coagulation & Heart-Associated Autoantigens	Conc*	Source	Nervous System- Associated Autoantigens	Conc	Source
Heparin	2	Sigma	Myelin basic protein	2	Sigma
Cardiolipin	1	Sigma	Myelin oligodendrocyte glycoprotein	2	Bio-Synthesis
Fibrinogen	2	Sigma	Neurofilament protein	2	Bio-Synthesis
Alpha-myosin	1	EMD Bioscience	Ganglioside GM ₁	0.5	Sigma
Tropomyosin	0.5	Sigma	Ganglioside GM ₂	0.5	Sigma
Platelet glycoprotein (PG)	2	Bio-Synthesis	Sulphatide	1	Sigma
Beta-2 glycoprotein A	1	Bio-Synthesis	Transglutaminase 6 (TG6)	2	Bio-Synthesis
Joint- Associated Autoantigens	Conc	Source	Enteric nerve	2	Bio-Synthesis
Collagen	1	Sigma	Alpha-synuclein & Beta-synuclein	1	Bio-Synthesis
Fibulin	1.5	Bio-Synthesis	Synapsin	1	Bio-Synthesis
Human Ro60	1	Bio-Synthesis	Brain-derived neurotrophic factor (BDNF)	2	Bio-Synthesis
Alpha-enolase	2	Bio-Synthesis	Somatotropin	2	Sigma
Citrullinated alpha-enolase	1	Bio-Synthesis	Phosphorylated tau protein	2	Bio-Synthesis
Chondroitin sulphate (CS)	1	Sigma	Amyloid- β peptide (AbP)	2	Bio-Synthesis
Diabetes- Associated Autoantigens	Conc	Source	Claudin-5	1	Bio-Synthesis
Insulin	1	Sigma	Acetylcholine receptor	2	Bio-Synthesis
Insulin receptor (Insulin R)	2	Bio-Synthesis	Dopamine D ₁ receptor (D1 R)	2	Bio-Synthesis
Islet cell autoantigen (ICA)	1	Bio-Synthesis	Dopamine D ₂ receptor (D2 R)	2	Bio-Synthesis
Glutamic acid decarboxylase 65 (GAD-65) & GAD-67	2	Bio-Synthesis	N-methyl-D-aspartate receptor (NMDAR)	2	Bio-Synthesis
Zinc transporter isoform 8 (ZnT8)	1	Bio-Synthesis	Rabaptin-5 (Rab-5)	1	Bio-Synthesis
Skin- Associated Autoantigens	Conc	Source	Cerebellar	1	Bio-Synthesis
Human epidermal keratin (HEK)	1	Sigma	Aquaporin-4 (AQP4)	2	Bio-Synthesis
Tyrosinase	1	Sigma	S100B	1	EMD Bioscience
Desmoglein-3 E-cadherin (DEC)	2	Novus Biologicals	Glial Fibrillary Acidic Protein (GFAP)	2	Bio-Synthesis
Transglutaminase 3 (TG3)	2	Bio-Synthesis	Glutamate receptor 1,5	1	Bio-Synthesis
Epithelial & Epidermal Tight Junction Protein	Conc	Source	Amphiphsin	1	Bio-Synthesis
Zonulin & Occludin	2	Abcam	Gamma-aminobutyric acid receptor (GABA-R)	1	Bio-Synthesis
DPP IV	1	Sigma	Glycine receptor	1	Bio-Synthesis
Beta-catenin	1	Bio-Synthesis	Tyrosine kinase	1	Bio-Synthesis
Epithelial cell antigen (ECA)	1	Sigma	Fatty acid binding protein 7	0.5	Bio-Synthesis
Transglutaminase 2 (TG2)	2	Sigma	Proteolipid protein	0.5	Bio-Synthesis
Calprotectin	0.5	Bio-Synthesis	Alpha B-crystallin	1	Bio-Synthesis
Neutrophil cytoplasmic antigen	1	Bio-Synthesis	Thyroid-Associated Autoantigens	Conc	Source
Biomarkers of Autoimmunity	Conc	Source	Thyroglobulin	1	EMD Bioscience
Anti-nuclear antigen (ANA)	O	INOVA	Thyroid peroxidase (TPO)	0.5	Bio-Synthesis
Extractable nuclear antigen (ENA)	O	INOVA	Thyroid stimulating hormone (TSH)	1	Sigma
Double-stranded DNA (dsDNA)	O	INOVA	Thyroid stimulating hormone receptor (TSHR)	1	Sigma
Actin	O	INOVA	Triiodothyronine (T3)	1	Sigma
Mitochondrial M2	O	INOVA	Thyroxine (T4)	1	Sigma
Rheumatoid factor (RF)	O	INOVA	Myeloperoxidase	1	Sigma
Lung- Associated Autoantigens	Conc	Source	Liver- Associated Autoantigens	Conc	Source
Lung surfactant protein-C	2	Bio-Synthesis	Liver microsomal antigen (LMA)	0.5	Sigma
Epithelial sodium channel alpha	2	Bio-Synthesis			
Claudin-7.1 & 7.2	1.5	Bio-Synthesis			

*Concentration (Conc) is in microgram per well of ELISA plate