

Supplemental Table S1. Characteristics of Biomarkers Used for Immunohistochemical Investigation of Immune-Mediated Mechanisms Involved in Papillary Thyroid Carcinoma Development

IHC marker	Description	Manufacturer, clone	Dilution of antibodies
CD8	Cytotoxic T lymphocytes; effector cells of cell-mediated immunity	Dako, clone C8/144B	RTU
CD138	Plasma cells (antibody-producing cells); effector cells of humoral immunity	Dako, clone MI15	1:100
CD163	M2 macrophages	Cell Marque, clone MRQ-26	1:50
MCT	A mast cell marker	Diagnostic BioSystems, clone AA1	1:300
FOXP3	A marker of regulatory T cells responsible for immune tolerance and immunosuppression	Cell Marque, clone EP340	1:100
STAT6	A transcription factor that is activated by IL-4-induced tyrosine phosphorylation	Cell Marque, clone EP325	1:100
VEGF	A signal protein produced by macrophages and tumor cells that stimulates the formation of blood vessels	Thermo Fisher Scientific, clone VG1	1:100

IHC, immunohistochemical; RTU, ready-to-use; MCT, mast cell tryptase; FOXP3, forkhead box P3; STAT6, signal transducer and activator of transcription 6; IL-4, interleukin 4; VEGF, vascular endothelial growth factor.