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

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

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.