CD205 (Clone EP176)
Rabbit Monoclonal Antibody

**Specificity:** Human

**Immunogen:** Synthetic peptide corresponding to residues in the intracellular domain of human CD205

**Ig Class:** IgG

**Storage:** Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

**Staining procedures:** Use formalin-fixed and paraffin-embedded sections. **Retrieval conditions:** Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. **Detection methods:** Polymer anti-mouse/rabbit Ig detection system. **Working dilution:** 1:50-100; **Positive Control:** Tonsil. **Cellular Localization:** Cytoplasmic.

**Description:** CD205, also named DEC-205, belongs to the macrophage mannose receptor family of C-type lectin endocytic receptors. CD205 is predominantly expressed by the thymic cortical epithelium and by dendritic cells (DC). It can also be detected at low levels in T and B-lymphocytes and several other epithelial cell types. CD205 is a novel thymic epithelial marker that is important for the positive selection process of thymocytes. It is a sensitive and specific marker for thymoma, while the sensitivity to thymic carcinoma is lower than CD5 and CD117.

**Intended Use:** This antibody is intended for in vitro diagnostic (IVD) use. CD205 (clone EP176) rabbit monoclonal primary antibody is intended for laboratory use in the detection of CD205 in formalin-fixed, paraffin-embedded tissue by immunohistochemical (IHC) staining. The staining results should be interpreted by qualified pathologists in conjunction with the patient’s relevant clinical history.

**Supplied As:** Purified antibody in Tris-HCl buffer containing stabilizing protein and <0.1% sodium azide.

**References:**

Formalin-fixed, paraffin-embedded human tonsil stained with anti-CD205 antibody using peroxidase-conjugate and DAB chromogen. Note cytoplasmic staining of dendritic cells

REF Z2315 (1.0 ml) (Concentrate)