

## CD205 clone EP176

Rabbit Monoclonal Antibody

### Instructions For Use

**Specification:**

CD20 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.

**Availability:**

Catalog No.	Contents	Volume
ILM0176-C01	CD205 clone EP176	0,1 ml concentrate
ILM0176-C05	CD205 clone EP176	0,5 ml concentrate
ILM0176-C1	CD205 clone EP176	1,0 ml concentrate

**Intended use:** For Research Use Only

**Reactivity:** Human, others not known

**Clone:** EP176

**Species of origin:** Rabbit

**Isotype:** IgG

**Control tissue:** Tonsil

**Staining:** Cytoplasmic

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

**Presentation:** Purified antibody is diluted in Tris-HCL buffer containing stabilizing protein and <0,1% Sodium Azide.

**Application and suggested dilutions:**

Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Paraffin embedded tissue section, dilution up to 1:50-1:100

The optimal dilution for a specific application should be determined by the investigator.

**Note:** Dilution of the antibody in 10% normal goat serum followed by a goat anti-Rabbit secondary antibody-based detection is recommended.

**Storage & Stability:** Store at 2-8 °C. Do not use after expiration date printed on the vial.

**References:**

- 1) Kim BS, et al. Pathol Res Pract. 2018; 214:343-349
- 2) Nonaka D, et al. Am J Surg Pathol. 2007; 31(7):1038-44
- 3) Kato M, et al. J Biol Chem. 2003; 278:34035-41