

## 44-1010: Anti-CD45 (LCA) Monoclonal Antibody (Clone:IHC045)(Discontinued)

|                                |                              |
|--------------------------------|------------------------------|
| <b>Clonality :</b>             | Monoclonal                   |
| <b>Clone Name :</b>            | IHC045                       |
| <b>Application :</b>           | IHC                          |
| <b>Reactivity :</b>            | Human                        |
| <b>Gene :</b>                  | PTPRC                        |
| <b>Gene ID :</b>               | 5788                         |
| <b>Uniprot ID :</b>            | P08575                       |
| <b>Format :</b>                | Purified                     |
| <b>Alternative Name :</b>      | PTPRC,CD45                   |
| <b>Isotype :</b>               | Mouse IgG2a                  |
| <b>Immunogen Information :</b> | Recombinant Human CD45 (LCA) |

### Description

Cluster of differentiation 45 (CD45), also known as leukocyte common antigen (LCA), is a member of the protein tyrosine phosphatase (PTPase) family which is known to regulate a variety of cellular processes including cell growth, differentiation, the mitotic cycle, and oncogenic transformation. CD45 is expressed in most nucleated cells of hematopoietic origin, and is an essential regulator of T and B cell antigen receptor signalling. Anti-CD45 positively stains the majority of lymphoid neoplasms, and is highly indicative of lymphoid origin. However, an absence of CD45 does not rule out lymphoid tumors, as certain types of neoplasms lack CD45, such as Hodgkin's lymphoma, some T-cell lymphomas, and some leukemias.

### Product Info

|                            |   |
|----------------------------|---|
| <b>Amount :</b>            | 0.1 ml / 0.5 ml   |
| <b>Purification :</b>      | Protein A/G Chromatography                                    |
| <b>Content :</b>           | Tris Buffer, pH 7.3 - 7.7, with 1% BSA and <0.1% Sodium Azide |
| <b>Storage condition :</b> | Store at 2°C - 8°C. Do not freeze.                            |

### Application Note

Recommended dilutions: Immunohistochemical analysis: 1:100 - 1:200. However, this need to be optimized based on the research applications.

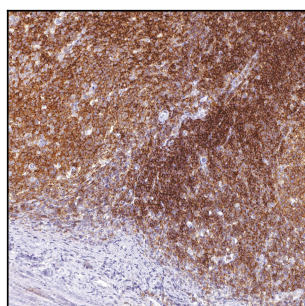


Figure 1: Immunohistochemical analysis of CD45 (LCA) (Clone: IHC045) on Tonsil