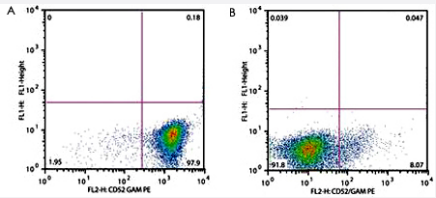
# CD52 monoclonal antibody, clone HI186

Catalog # MAB0944 Size 100 ug

## Applications



### Flow Cytometry

Flow cytometry analysis of CD52 in patients suffering with Acute Lymphoblastic Leukemia (CD52 monoclonal antibody, clone HI186, Cat # MAB0944; detection by Goat anti-mouse IgG2b PE). A: CD52 positive cALL (gate leukemic cells). B: CD52 negative pro T ALL (gate leukemic cells).

## Specification

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|---|---|
| **Product Description** | Mouse monoclonal antibody raised against native CD52. |
| **Immunogen** | Human tonsil. |
| **Host** | Mouse |
| **Theoretical MW (kDa)** | 21-28 |
| **Reactivity** | Human |
| **Specificity** | This antibody reacts with CD52 (CAMPATH-1), a 21-28 KDa glycoprotein containing a large N-linke d carbohydrate moiety; mature CD52 molecule is actually much smaller (approx. 8-9 KDa). CD52 is expressed at high levels on lymphocytes, monocytes/macrophages and in male reproductive tract. |
| **Form** | Liquid |
| **Purification** | Protein A Chromatography |
| **Concentration** | 1 mg/mL |
| **Purity** | > 95% by SDS-PAGE |
| **Isotype** | IgG2b |

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| **Recommend Usage** | Flow Cytometry (2 ug/mL)<br>Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH 7.4 (0.09% sodium azide). |
| **Storage Instruction** | Store at 4°C. Do not freeze. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
- Flow Cytometry

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## Gene Info — CD52

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|---|---|
| **Entrez GeneID** | 1043 |
| **Gene Name** | CD52 |
| **Gene Alias** | CDW52 |
| **Gene Description** | CD52 molecule |
| **Omim ID** | 114280 |
| **Gene Ontology** | Hyperlink |
| **Other Designations** | CD52 antigen\|CD52 antigen (CAMPATH-1 antigen)\|CDW52 antigen (CAMPATH-1 antigen)\|OTT HUMP00000003570 |

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