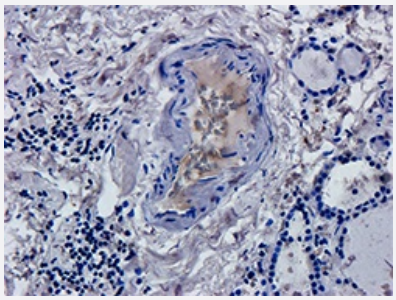
RecomAb™

# CD52 recombinant monoclonal antibody, clone Campath-1H

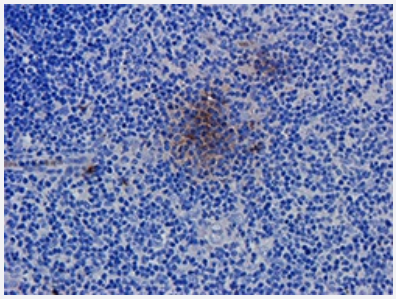
Catalog # RAB01148 Size 200 ug

## Applications



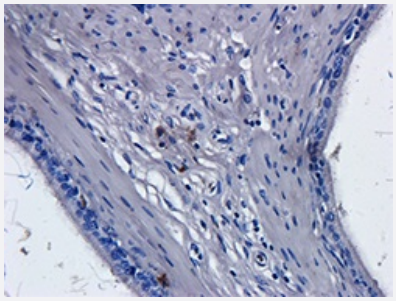
### Immunohistochemistry

Immunohistochemistry analysis of formalin fixed human thyroid cancer slices were were stained at 5 ug/mL.



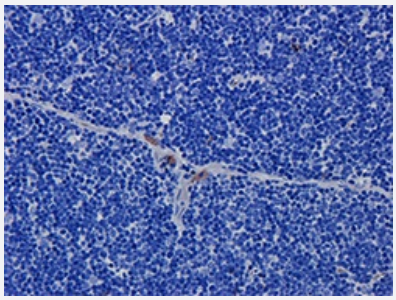
### Immunohistochemistry

Immunohistochemistry analysis of formaldehyde fixed paraffin embedded rat spleen tissue, at 40x magnification. The human IgG1-chimeric version of Campath-1H was used to stain samples at a concentration of 5 ug/mL.



### Immunohistochemistry

Immunohistochemistry analysis of formaldehyde fixed paraffin embedded rat epididymis tissue, at 40x magnification. The human IgG1-chimeric version of Campath-1H was used to stain samples at a concentration of 5 ug/mL.



### Immunohistochemistry

Immunohistochemistry analysis of formaldehyde fixed paraffin embedded rat thymus tissue, at 40x magnification. The human IgG1-chimeric version of Campath-1H was used to stain samples at a concentration of 5 ug/mL.

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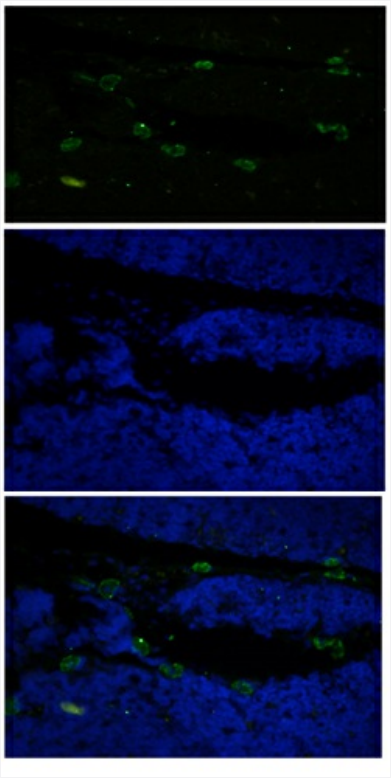
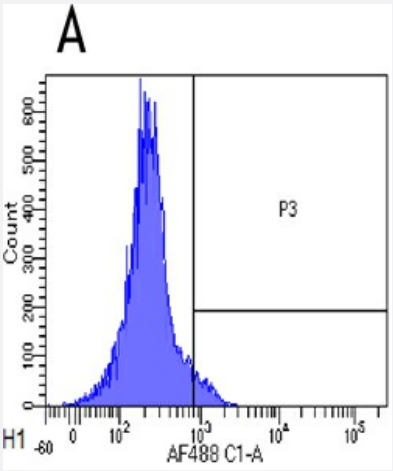


## Immunofluorescence

Immunofluorescence analysis of fixed rat thymus tissue stained with the chimeric human IgG1 version of Campath-1H at 5 ug/mL followed by a FITC conjugated secondary antibody, showing membrane and cytoplasmic staining of a subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right; FITC, DAPI and merged channels.




## Flow Cytometry

Flow-cytometry were stained with an isotype control at a concentration of 1 ug/mL for 30 mins at RT. After washing, bound antibody was detected using a AF488 conjugated donkey anti-rabbit antibody and cells analysed on a FACSCanto flow-cytometer.

## Specification

| | |
|---|---|
| **Product Description** | Rat recombinant monoclonal antibody raised against human CD52. |
| **Antibody Species** | Rat |
| **Immunogen** | Original antibody is raised against human lymphocytes. |
| **Reactivity** | Human |

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|---|---|
| **Specificity** | Human CD52 antigen, also known as CAMPATH-1. CD52 is expressed at high density by lymphocytes, monocytes, eosinophils, thymocytes and macrophages. It is expressed by most lymphoid derived malignancies, although expression on myeloma cells is variable. |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Protein A affinity purification |
| **Isotype** | IgG2b, Kappa |
| **Recommend Usage** | Flow cytometry<br>Immunofluorescence<br>Immunohistochemistry<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS with 0.02% Proclin 300 |
| **Storage Instruction** | Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C. |

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- Immunohistochemistry

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- Immunofluorescence

  Immunofluorescence analysis of fixed rat thymus tissue stained with the chimeric human IgG1 version of Campath-1H at 5 ug/mL followed by a FITC conjugated secondary antibody, showing membrane and cytoplasmic staining of a subset of cells. The nuclear stain is DAPI (blue). Panels show from left-right; FITC, DAPI and merged channels.

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## Gene Info — CD52

| | |
|---|---|
| **Entrez GeneID** | 1043 |
| **Protein Accession#** | P31358 |
| **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)\|OTTHUMP00000003570 |

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