

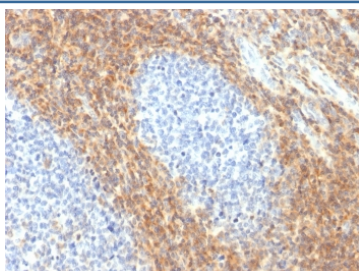
## Recombinant CD52 Antibody [clone CD52/2276R] (V3579)

| Catalog No.    | Formulation                                                                                     | Size   |
|----------------|-------------------------------------------------------------------------------------------------|--------|
| V3579-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V3579-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V3579SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                  | 100 ug |
| V3579IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

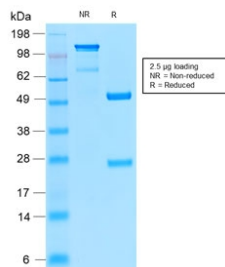
Recombinant **RABBIT MONOCLONAL**

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|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Availability       | 1-3 business days                                                  |
| Species Reactivity | Human                                                              |
| Format             | Purified                                                           |
| Clonality          | Recombinant Rabbit Monoclonal                                      |
| Isotype            | Rabbit IgG, kappa                                                  |
| Clone Name         | CD52/2276R                                                         |
| Purity             | Protein A affinity chromatography                                  |
| UniProt            | P31358                                                             |
| Localization       | Cell surface, cytoplasm                                            |
| Applications       | Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT            |
| Limitations        | This recombinant CD52 antibody is available for research use only. |



IHC testing of human tonsil tissue with recombinant CD52 antibody (clone CD52/2276R). Required HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant CD52 antibody (clone CD52/2276R) as confirmation of integrity and purity.

## Description

Recombinant CD52 antibody is a specialized reagent for detecting CD52, a glycosylphosphatidylinositol anchored glycoprotein expressed on the surface of mature lymphocytes. CD52 is present on most B cells, T cells, and some monocytes, while being absent from stem cells and plasma cells. Because of its restricted expression pattern, CD52 is a useful marker in immunology and hematology research.

CD52 is a small protein with a short amino acid sequence but carries a complex glycosylation pattern. Its precise biological functions remain incompletely defined, yet it has been implicated in modulating immune activation and cellular adhesion. CD52 expression on lymphocytes makes it a therapeutic target, as seen in monoclonal antibody therapies used for chronic lymphocytic leukemia and multiple sclerosis.

The Recombinant CD52 antibody clone CD52/2276R provides highly specific detection. Recombinant technology guarantees batch to batch consistency and dependable results across studies. Clone CD52/2276R has been used in research exploring lymphocyte biology, immune regulation, and therapeutic antibody development. Its consistent performance ensures accurate recognition of CD52 in varied experimental systems.

Research using clone CD52/2276R has advanced knowledge of how CD52 expression influences immune regulation and how it can be targeted for therapy. Because it is widely expressed on mature lymphocytes, CD52 is valuable in identifying cell populations in immunological studies and in monitoring treatment responses in hematologic malignancies. The antibody also aids in clarifying the mechanisms underlying antibody mediated depletion of lymphocytes.

NSJ Bioreagents offers this Recombinant CD52 antibody to support high quality research in immunology, hematology, and therapeutic development. Alternate terms include cluster of differentiation 52 antibody, CAMPATH 1 antigen antibody, lymphocyte surface glycoprotein CD52 antibody, and mature lymphocyte antigen antibody. These synonyms illustrate the various ways CD52 is referenced in scientific contexts.

## Application Notes

Optimal dilution of the recombinant CD52 antibody to be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

## Immunogen

Recombinant full-length human protein was used as the immunogen for the recombinant CD52 antibody.

## Storage

Store the recombinant CD52 antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).

