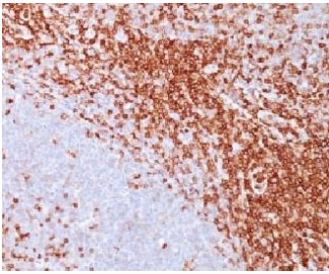


## CD43 Antibody [clone SPN/839] (V2871)

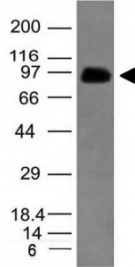
| Catalog No.    | Formulation                                                                                     | Size   |
|----------------|-------------------------------------------------------------------------------------------------|--------|
| V2871-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V2871-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V2871SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                  | 100 ug |
| V2871IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

[Bulk quote request](#)

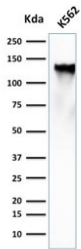
|                           |                                                                                                                                                                     |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                                                                                   |
| <b>Species Reactivity</b> | Human                                                                                                                                                               |
| <b>Format</b>             | Purified                                                                                                                                                            |
| <b>Host</b>               | Mouse                                                                                                                                                               |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                                                                                                                           |
| <b>Isotype</b>            | Mouse IgG1, kappa                                                                                                                                                   |
| <b>Clone Name</b>         | SPN/839                                                                                                                                                             |
| <b>Purity</b>             | Protein G affinity chromatography                                                                                                                                   |
| <b>UniProt</b>            | P16150                                                                                                                                                              |
| <b>Localization</b>       | Cell surface                                                                                                                                                        |
| <b>Applications</b>       | Flow Cytometry : 1-2ug/10 <sup>6</sup> cells<br>Immunofluorescence : 1-2ug/ml<br>Western Blot : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| <b>Limitations</b>        | This CD43 antibody is available for research use only.                                                                                                              |



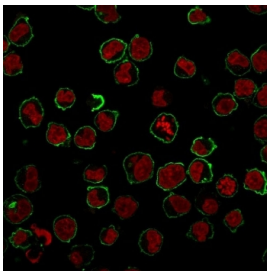
IHC: Formalin-fixed, paraffin-embedded human spleen stained with CD43 antibody (SPN/839).



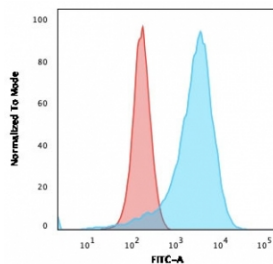
Western blot analysis of human spleen lysate using CD43 antibody (SPN/839). Expected molecular weight: 45-115 kDa depending on glycosylation level.



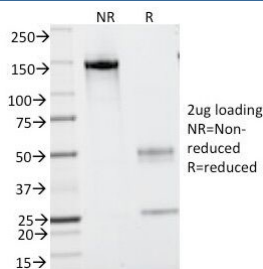
Western blot analysis of human K562 lysate using CD43 antibody (clone SPN/839). Expected molecular weight: 45-135 kDa depending on glycosylation level.



Immunofluorescent staining of human K562 cells with CD43 antibody (clone SPN/839, green) and NucSpot nuclear stain (red).



Flow cytometry testing of human K562 cells with CD43 antibody (clone SPN/839); Red=isotype control, Blue= CD43 antibody.



SDS-PAGE analysis of purified, BSA-free CD43 antibody (clone SPN/839) as confirmation of integrity and purity.

## Description

It recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43. 70-90% of T-cell lymphomas and from 22-37% of B-cell lymphomas express CD43. No reactivity has been observed with reactive B-cells. So a B-lineage population that co-expresses CD43 is highly likely to be a malignant lymphoma, especially a low-grade lymphoma, rather than a reactive B-cell population. When CD43 antibody is used in combination with anti-CD20, effective immunophenotyping of the lymphomas in formalin-fixed tissues can be obtained. Co-staining of a lymphoid infiltrate with anti-CD20 and anti-CD43 argues against a reactive process and favors a diagnosis of lymphoma.

## Application Notes

Optimal dilution of the CD43 antibody should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.
2. 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 CD43 antibody.

## Storage

Store the CD43 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).