

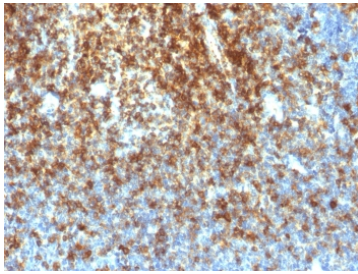
## Recombinant CD43 Antibody / Rabbit Monoclonal [clone SPN/1766R] (V3484)

| Catalog No.    | Formulation                                                                                     | Size   |
|----------------|-------------------------------------------------------------------------------------------------|--------|
| V3484-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 100 ug |
| V3484-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide                      | 20 ug  |
| V3484SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                                                  | 100 ug |
| V3484IHC-7ML   | Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only* | 7 ml   |

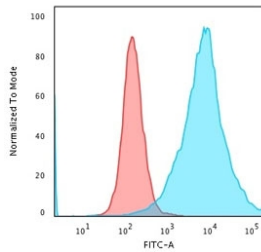
Recombinant RABBIT MONOCLONAL

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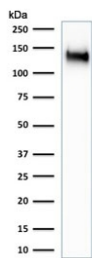
|                    |                                                                                                                                                                     |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Availability       | 1-3 business days                                                                                                                                                   |
| Species Reactivity | Human                                                                                                                                                               |
| Format             | Purified                                                                                                                                                            |
| Clonality          | Recombinant Rabbit Monoclonal                                                                                                                                       |
| Isotype            | Rabbit IgG, kappa                                                                                                                                                   |
| Clone Name         | SPN/1766R                                                                                                                                                           |
| Purity             | Protein A affinity chromatography                                                                                                                                   |
| UniProt            | P16150                                                                                                                                                              |
| Localization       | Cell surface                                                                                                                                                        |
| Applications       | Western Blot : 1-2ug/ml<br>Flow Cytometry : 1-2ug/10 <sup>6</sup> cells<br>Immunofluorescence : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| Limitations        | This recombinant CD43 antibody is available for research use only.                                                                                                  |



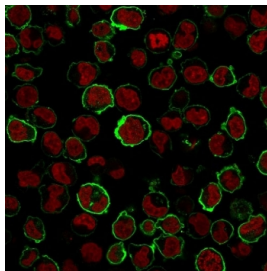
IHC testing of FFPE human tonsil with recombinant CD43 antibody (clone SPN/1766R). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



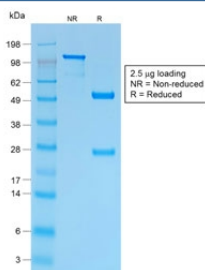
Flow cytometry testing of PFA-fixed human K562 cells with CD43 antibody (clone SPN/1766R); Red=isotype control, Blue= CD43 antibody.



Western blot testing of human K562 cell lysate with CD43 antibody (clone SPN/1766R). Expected molecular weight: 45-135 kDa depending on glycosylation level.



Immunofluorescence staining of human K562 cells with CD43 antibody (green, clone SPN/1766R) and NucSpot (red).



SDS-PAGE analysis of purified, BSA-free recombinant CD43 antibody (clone SPN/1766R) 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 recombinant CD43 antibody should 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 human protein was used as the immunogen for the recombinant CD43 antibody.

## Storage

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