# Recombinant CD43 (T-Cell Marker) Antibody

Mouse Monoclonal Antibody [Clone rSPN/839]

| Catalog No | Format | Size |
|---|---|---|
| 6693-MSM10-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 6693-MSM10-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 6693-MSM10-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

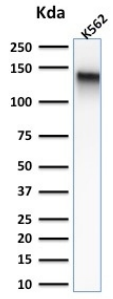
| Applications | Tested Dillution | Note |
|---|---|---|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |
| Immunohistochemistry (IHC) | 1-2ug/ml | 30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes |
| Western Blot (WB) | 2-4ug/ml | |

## Product Details

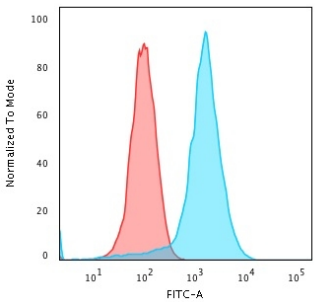
| | |
|---|---|
| **Clone** | rSPN/839 |
| **Gene Name** | SPN |
| **Immunogen** | Recombinant full-length human CD43 protein |
| **Host** | Mouse |
| **Clonality** | Monoclonal |
| **Isotype / Light Chain** | IgG1 / Kappa |
| **Mol. Weight of Antigen** | 115\|95\|or 135kDa |
| **Cellular Localization** | Cell projection, Membrane, Microvillus, Nucleus, PML body, Uropodium |
| **Species Reactivity** | Human |
| **Positive Control** | K562 cells. Paracortex in a tonsil or a reactive lymph node. |

**Optimal dilution for a specific application should be determined.*

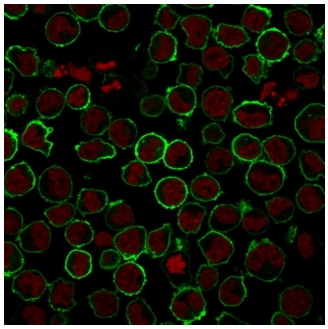
## Product Images for Recombinant CD43 (T-Cell Marker) Antibody



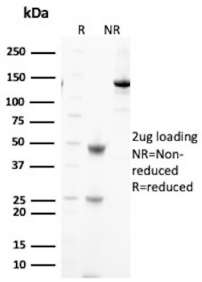

Western Blot Analysis of K562 cell lysate using CD43 Mouse Recombinant Monoclonal Antibody (rSPN/839).



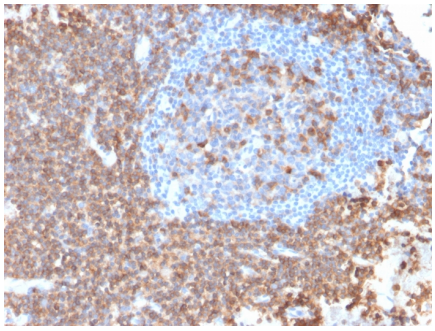

Flow Cytometric Analysis of PFA-fixed K562 cells using CD43 Mouse Recombinant Monoclonal Antibody (rSPN/839) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)



Immunofluorescence Analysis of K562 cells labeling CD43 with CD43 Mouse Recombinant Monoclonal Antibody (rSPN/839) followed by Goat anti-Mouse IgG-CF488 (Green). The nuclear counterstain is Redot.




SDS-PAGE Analysis of Purified Leukosialin Recombinant Mouse Monoclonal Antibody (rSPN/839). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Lymph Node stained with CD43 Mouse Recombinant Monoclonal Antibody (rSPN/839).

## Specificity & Comments

It recognizes a cell surface glycoprotein of 95/115/135kDa (depending upon the extent of glycosylation), identified as CD43 [Workshop IV]. Epitope of MAb Bra7G is clearly different from that of MAb rSPN/839, called b as opposed to a for rSPN/839. 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.

## Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

## Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

## Research Areas

B Cell Markers, Cardiovascular, Hematopoietic Stem Cells

## Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.