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## 12-1114: Anti-CD43 (T-Cell Marker) Recombinant Mouse Monoclonal Antibody (Clone:rSPN/1094)

Clone Name: Monoclonal
Clone Name: rSPN/1094
Application: WB,FACS,IF,IHC

Reactivity: Human
Gene: SPN
Gene ID: 6693
Uniprot ID: P16150
Format: Purified

Alternative Name: Galactoglycoprotein, GALGP, GPL115, Leukocyte sialoglycoprotein, Leukosialin, LSN,

Sialophorin, SPN **Isotype:** Mouse IgG1, kappa

Immunogen Information: Human full-length recombinant CD43 protein

## **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.

## **Product Info**

Amount :  $20 \mu g / 100 \mu g$ Purification : Protein A/G

Content: 200µg/ml of recombinant MAb purified 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 condition :** 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.

## **Application Note**

Western Blot (1-2 $\tilde{A}$  $\square$  $\hat{A}\mu g/ml$ ); Flow Cytometry (1-2 $\tilde{A}$  $\square$  $\hat{A}\mu g/million$  cells); Immunofluorescence (1-2 $\tilde{A}$  $\square$  $\hat{A}\mu g/ml$ ); Immunohistochemistry (Formalin-fixed) (1-2 $\tilde{A}$  $\square$  $\hat{A}\mu g/ml$  for 30 minutes 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&degC followed by cooling at RT for 20 minutes);



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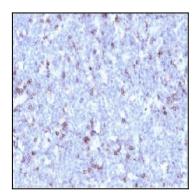


Figure 1: Formalin-fixed, paraffin-embedded human Lymphoma stained with CD43 Mouse Recombinant Monoclonal Antibody (rSPN/1094).

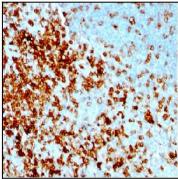


Figure 2: Formalin-fixed, paraffin-embedded human Tonsil stained with CD43 Mouse Recombinant Monoclonal Antibody (rSPN/1094).

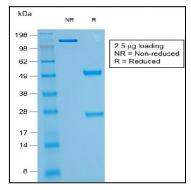


Figure 3:SDS-PAGE Analysis Purified CD43 Mouse Recombinant Monoclonal Antibody (rSPN/1094).