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## 12-1041: Recombinant Rabbit Monoclonal Antibody to CD43 (T-Cell Marker)(Clone: SPN/1766R)

Clone Name: Monoclonal
Clone Name: SPN/1766R
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:** Rabbit IgG

Immunogen Information: Recombinant full-length human SPN 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 μg / 100 μg

**Purification:** Purified Ab with BSA and Azide at 200ug/ml

Content: 200ug/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 :** Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

## **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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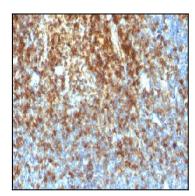


Figure 1: Formalin-fixed, paraffin-embedded human Tonsil stained with CD43 Rabbit Recombinant Monoclonal Antibody (SPN/1766R).

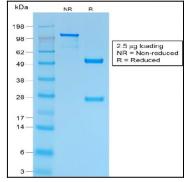


Figure 2: Formalin-fixed, paraffin-embedded human Tonsil stained with CD43 Rabbit Recombinant Monoclonal Antibody (SPN/1766R).