CD43

CONTACT INFORMATION:	Monoclonal Antibodies Unit. Centro Nacional de Investigaciones Oncológicas
STATUS:	Validated
TYPE:	mouse monoclonal
CLONE NAME:	93F
PROTEIN:	Leukosialin
PROTEIN WEB:	https://www.uniprot.org/uniprot/P16150
ANTIGEN USED:	697 cell line
FUSION PARTNER:	NS1/Ag4-1 (NS1) cells
ISOTYPE:	IgG1
SPECIES REACTIVITY:	human
PREPARATION AND STORAGE:	Aliquot and store at 4C. Do not freeze

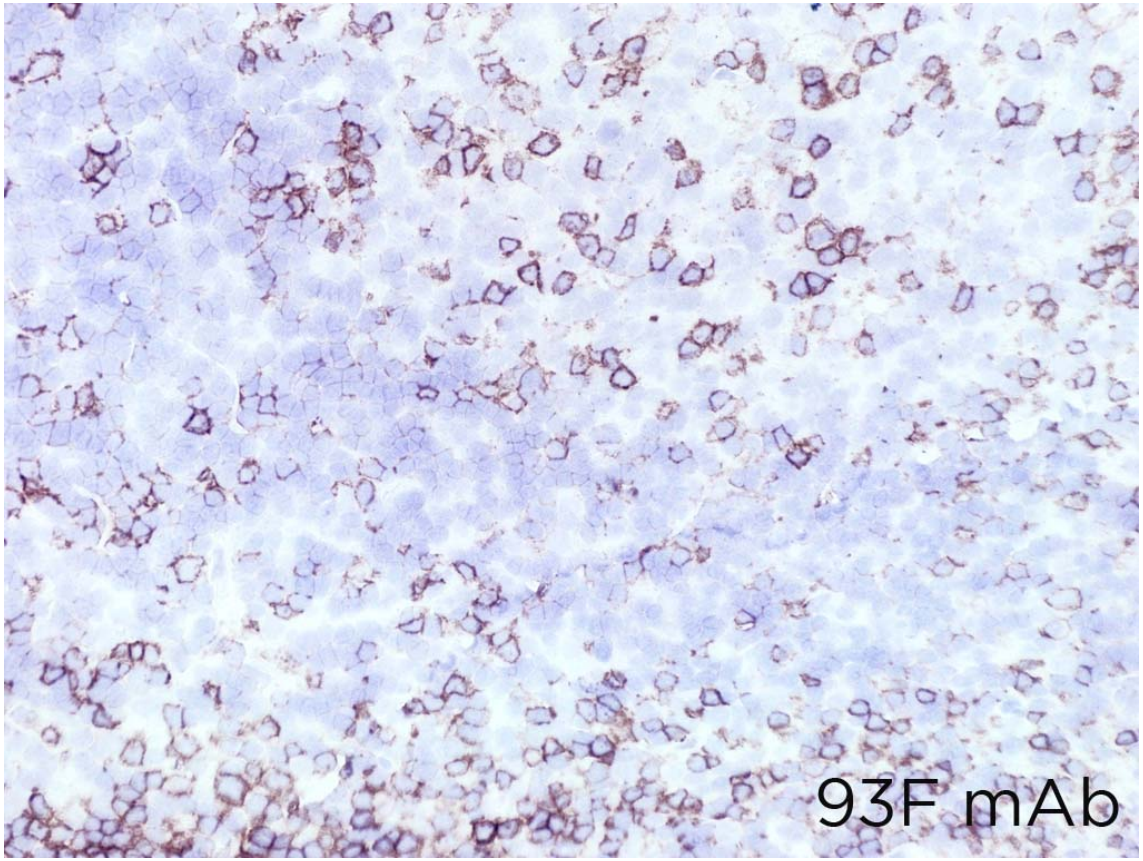
DESCRIPTION

Predominant cell surface sialoprotein of leukocytes which regulates multiple T-cell functions, including T-cell activation, proliferation, differentiation, trafficking and migration. Positively regulates T-cell trafficking to lymph-nodes via its association with ERM proteins (EZR, RDX and MSN) (By similarity). Negatively regulates Th2 cell differentiation and predisposes the differentiation of T-cells towards a Th1 lineage commitment. Promotes the expression of IFN-gamma by T-cells during T-cell receptor (TCR) activation of naive cells and induces the expression of IFN-gamma by CD4+ T-cells and to a lesser extent by CD8+ T-cells.

APPLICATIONS

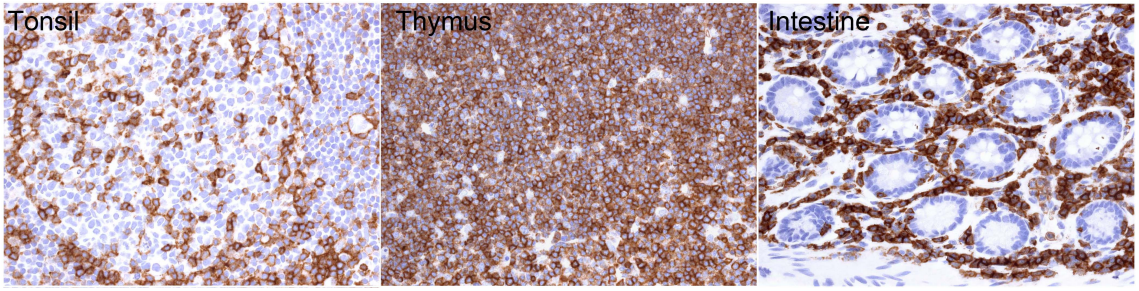
IHC Techniques	Clone	Dilution	Antibody concentration	Antigen retrieval method	Visualization kit	Positive control	Negative control	Protein localization	Positivity in other species
Frozen tissue and cytospins									
Recommended	93F	Neat	supernatant			Tonsil			
Paraffin tissue									
Recommended	93F	1:400	supernatant						

Immunofluorescence										
Recommended	93F	1:50	supernatant			Tonsil			

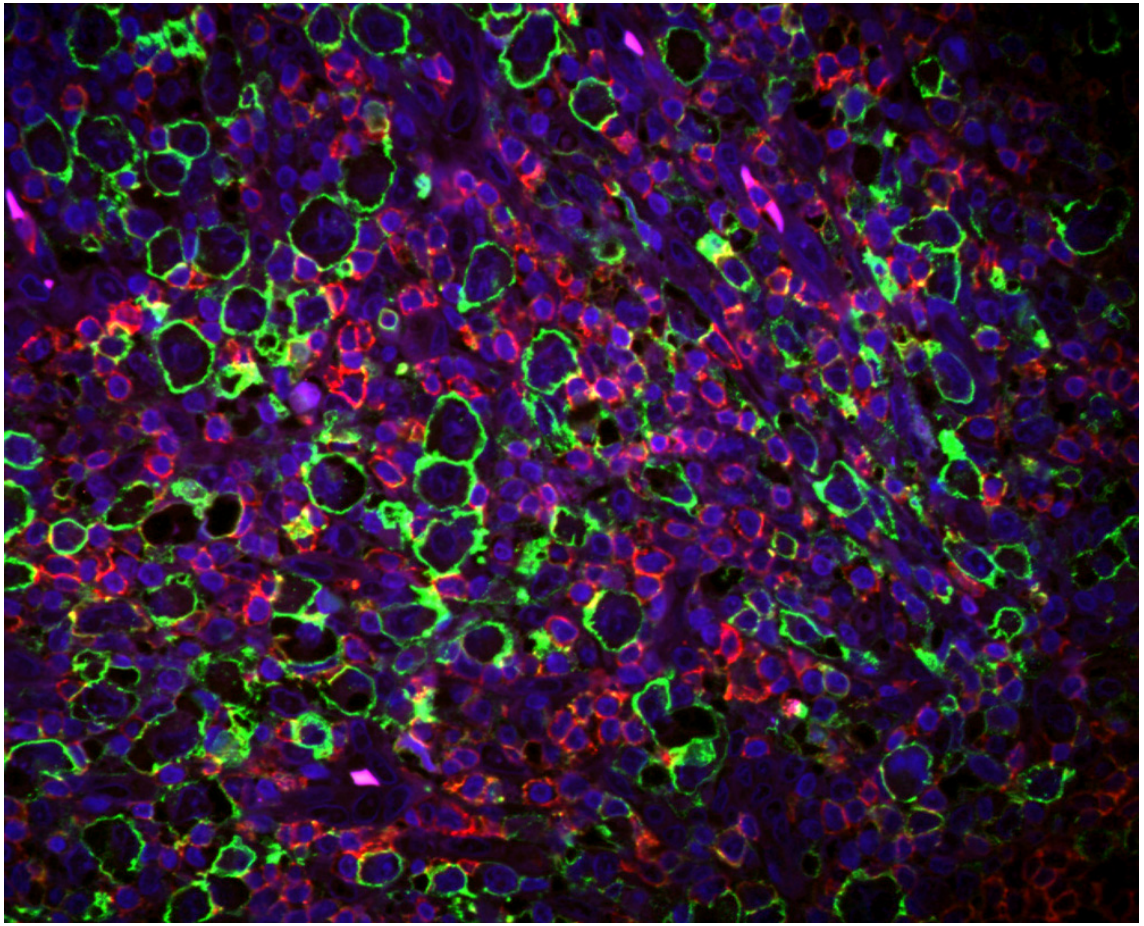


93F antibody can be used to detect CD43 protein in human frozen tissues.

Tissue sample: human tonsil



93F antibody can be used to detect CD43 protein in human paraffin tissues



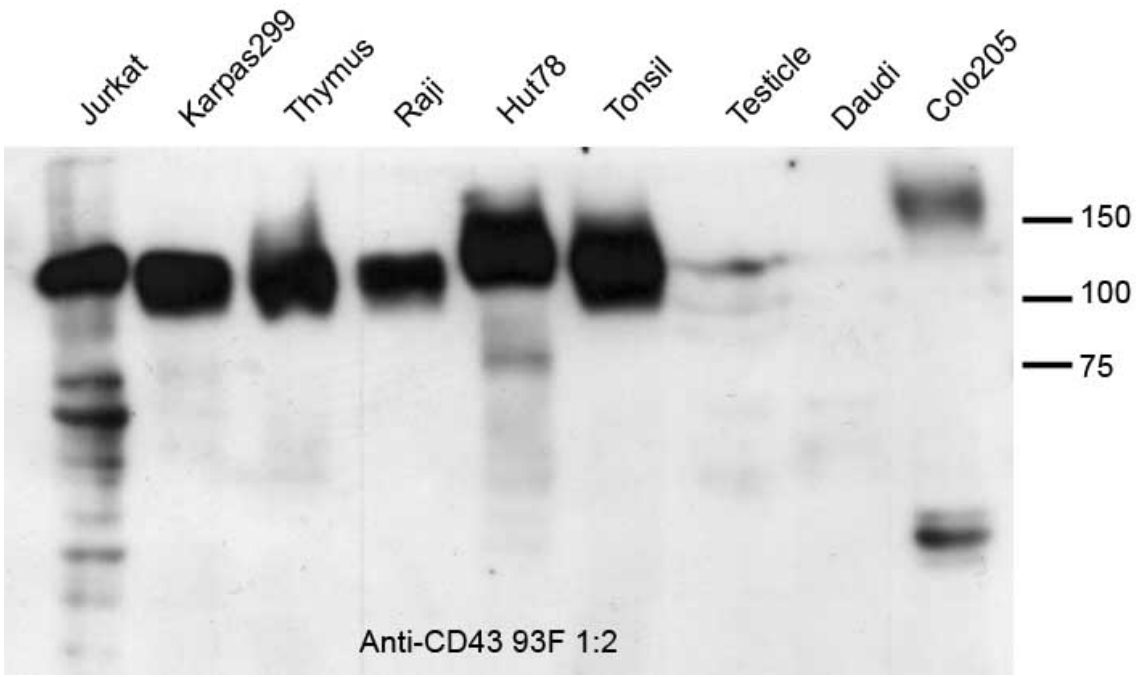
93F antibody can be used to detect CD43 protein in immunofluorescence

TISSUE SAMPLE: Hodgkin's Lymphoma

CD43 RED/PSGL1 GREEN/DAPI BLUE.

WB Techniques	Clone	Dilution	Antibody concentration	Positive control	Negative control	Expected MW	Observed Mw	Positivity in other species
Western Blotting								

Recommended	93F	1:2	supernatant	Tonsil		115-135kDa	115kDa	
Immunoprecipitation								
Recommended	93F	1:2	supernatant	Tonsil				



93F mAb is able to detect human CD43 protein by WB.

LANES

Lane 1 Jurkat cell line (200ug) (+)

Lane 2 Karpas299 (200ug) (+)

Lane 3 Thymus (200ug) (+)

Lane 4 Raji cell line (200ug) (+)

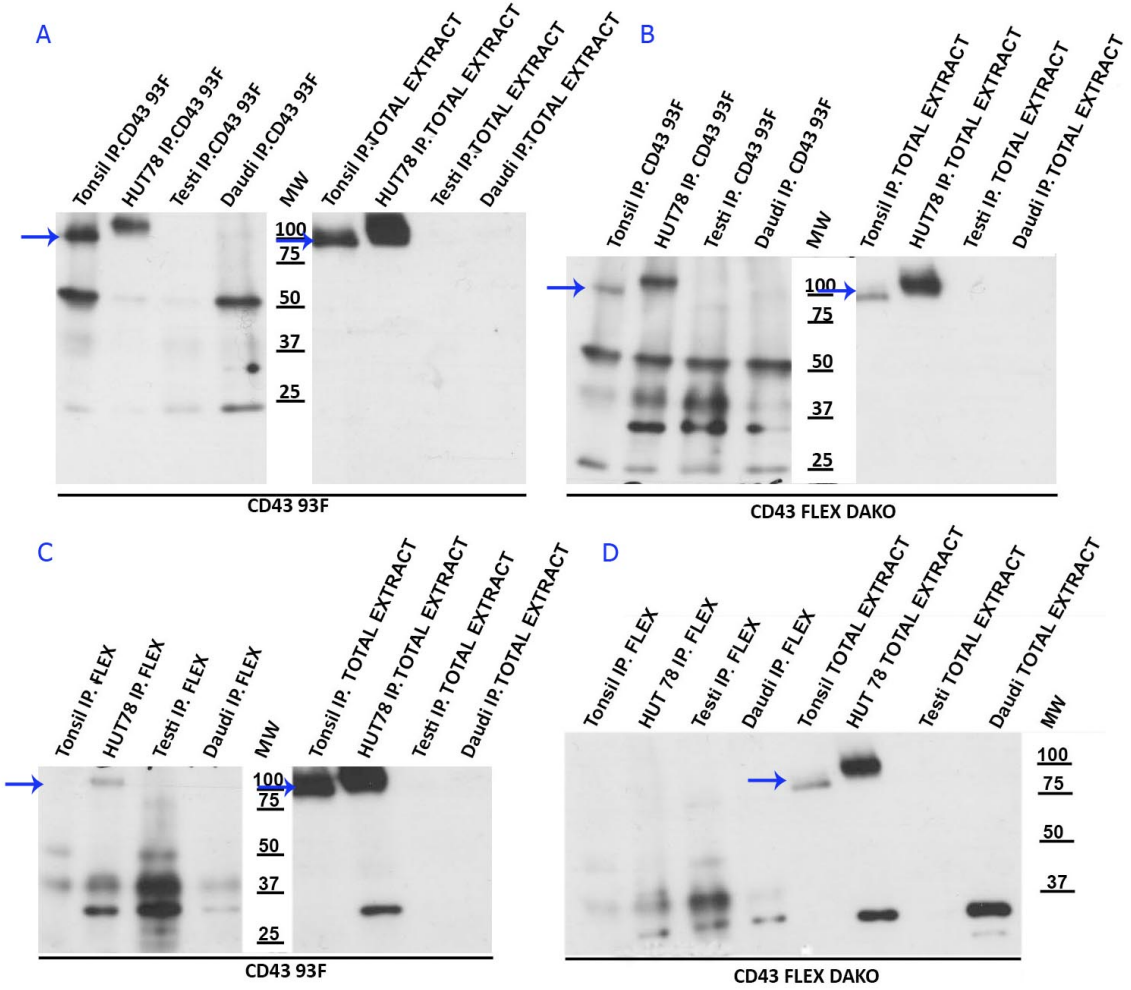
Lane 5 Hut 78 cell line (200ug) (+)

Lane 6 Tonsil (200ug) (+)

Lane 7 Testicle (200ug) (-)

Lane 8 Daudi cell line (200ug) (-)

Lane 9 Colo205 cell line (200ug) (-)



Antibody 93F can be used to immunoprecipitate CD43 protein

A. Immunoprecipitation of protein extracts from human tonsil, Hut78 cell line, human testicle and Daudi cell line with 93F (40ul/lane as supernatant) followed by western blotting with the same antibody.

B. Immunoprecipitation of protein extracts from human tonsil, Hut78 cell line, human testicle and Daudi cell line with 93F (40ul/lane used as supernatant) followed by western blotting with Dako anti-CD43 antibody.

C. Immunoprecipitation of protein extracts from human tonsil, Hut78 cell line, human testicle and Daudi cell line with Dako antibody (4ul/lane) followed by western blotting with 93F antibody.

D. Immunoprecipitation of protein extracts from human tonsil, Hut78 cell line, human testicle and Daudi cell line with Dako antibody (4ul/lane) followed by western blotting with the same antibody.