

SPIB | Validation File

TARGET Human SPIB

CLONE NAME 235D

DESCRIPTION mouse monoclonal

ANTIGEN USED SPIB-HIS recombinant protein (full length protein)

ISOTYPE IgG1

SPECIES REACTIVITY human

LOCALIZATION nuclear

POSITIVE CONTROL tonsil

STORAGE BUFFER Tissue culture supernatant: 0.02% sodium azide

Purified antibody: PBS plus 1%BSA and 0.02% sodium azide. MAb concentration: 1mg/ml

STORAGE Aliquot and store at 4C. Do not freeze

 Recommended

 Inconclusive

 Not Recommended

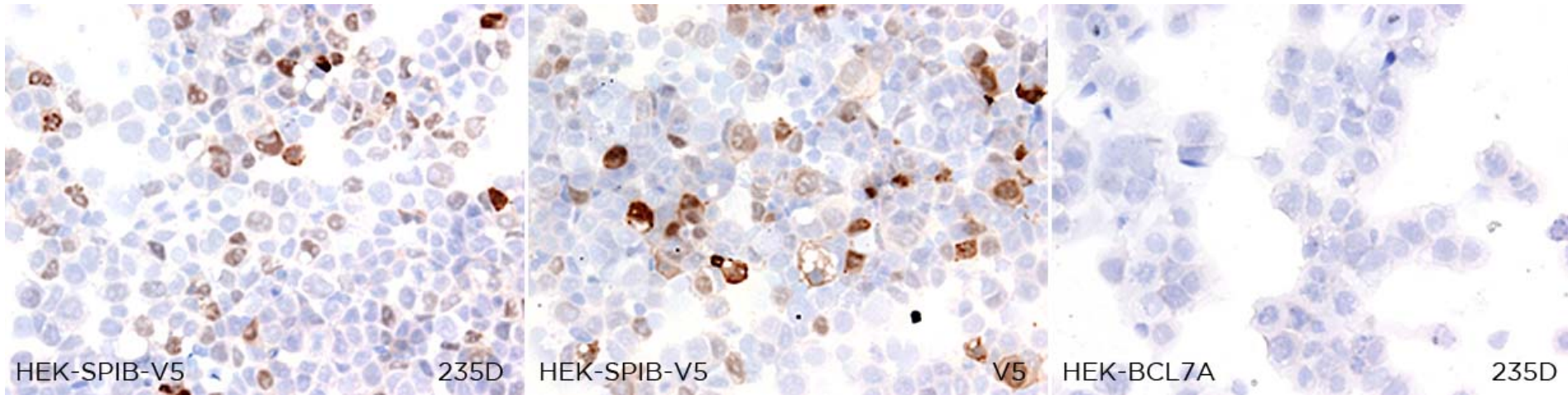
 Not Tested

APPLICATIONS

● | ICC | Immunocytochemistry

235D is able to detect human SPIB protein in immunocytochemistry

To confirm that 235D mAb recognizes human SPIB protein, immunocytochemistry on frozen cytospin preparations of V5-tagged human SPIB expressed in HEK293T cell line was performed, anti-V5 mAb confirmed the efficiency of transfection. Cytospin preparation of V5-tagged human BCL7a protein was used as a negative control.



● | WB | Western Blotting

235D mAb is able to detect human SPIB protein by WB.

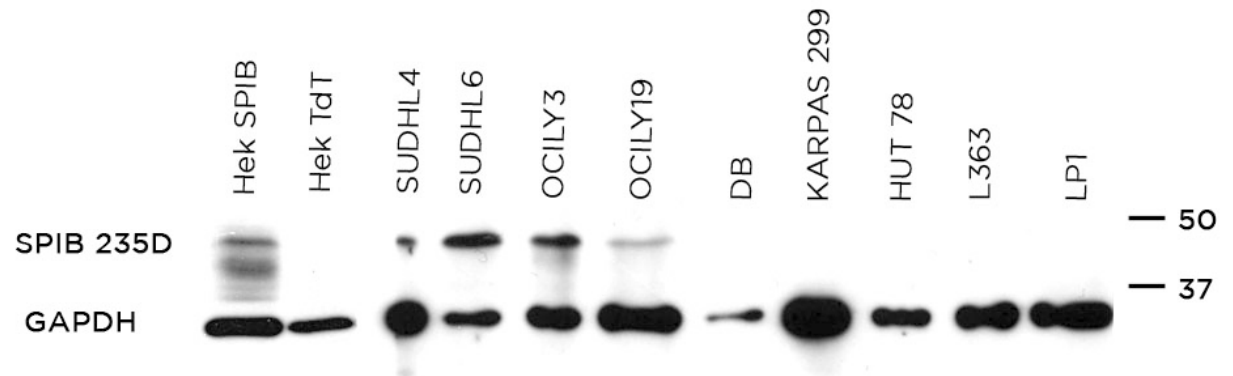
DILUTION neat supernatant

Expected molecular weight: **29kDa**

Observed molecular weight: **48kDa**

LANES

Lane 1	Hek-V5-SPIB	(10ug) (+)
Lane 2	Hek-V5-TdT	(10ug) (-)
Lane 3	SUDHL4	(100ug) (+)
Lane 4	SUDHL6	(100ug) (+)
Lane 5	OCILY3	(100ug) (+)
Lane 6	OCILY19	(100ug) (+)
Lane 7	DB	(100ug) (-)
Lane 8	KARPAS299	(100ug) (-)
Lane 9	Hut78	(100ug) (-)
Lane 10	L363	(100ug) (-)
Lane 11	LP-1	(100ug) (-)



● | IHC-P | **Immunohistochemistry (paraffin)**

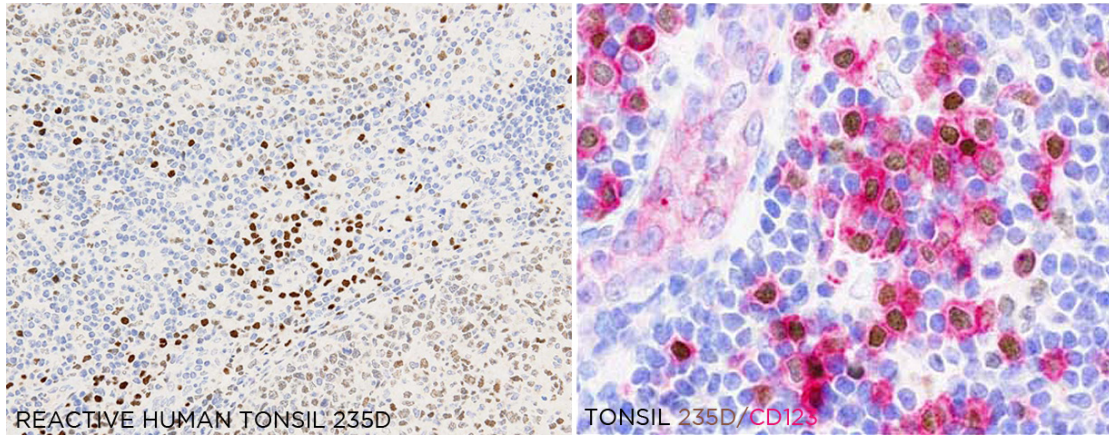
235D mAb can be used to detect SPIB protein in human paraffin tissues

TISSUE SAMPLE human tonsil

DILUTION 1:20
1:50 purified Ab (1mg/ml)

ANT. RETRIEVAL 20 minutes ER2 (Tris-EDTA)

DETECTION SYSTEM Novolink kit (BondMax Leica)



● | IF | **Immunofluorescence (paraffin)** Not tested

● | IHC-F | **Immunohistochemistry (frozen)** Not Recommended

● | FC | **Flow Cytometry** Not tested

● | IP | **Immunoprecipitation** Not Tested

SOLD BY Biologend and eBioscience

REFERENCES

Montes-Moreno S, Ramos-Medina R, Martínez-López A, Barrionuevo Cornejo C, Parra Cubillos A, Quintana-Truyenque S, Rodriguez Pinilla SM, Pajares R, Sanchez-Verde L, Martinez-Torrecedrada J, Roncador G, Piris MA. SPIB, a novel immunohistochemical marker for human blastic plasmacytoid dendritic cell neoplasms: characterization of its expression in major hematolymphoid neoplasms. *Blood*. 2013 Jan 24;121(4):643-7