

## BTLA | *Validation File*

**TARGET** BTLA (B and T lymphocyte associated protein)

**CLONE NAME** FLO67B

**DESCRIPTION** mouse monoclonal

**ANTIGEN USED** BTLA-HIS recombinant protein (full-length protein without signal peptide 25-289aa).

**ISOTYPE** IgG1

**SPECIES REACTIVITY** human

**LOCALIZATION** membrane/cytoplasm

**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

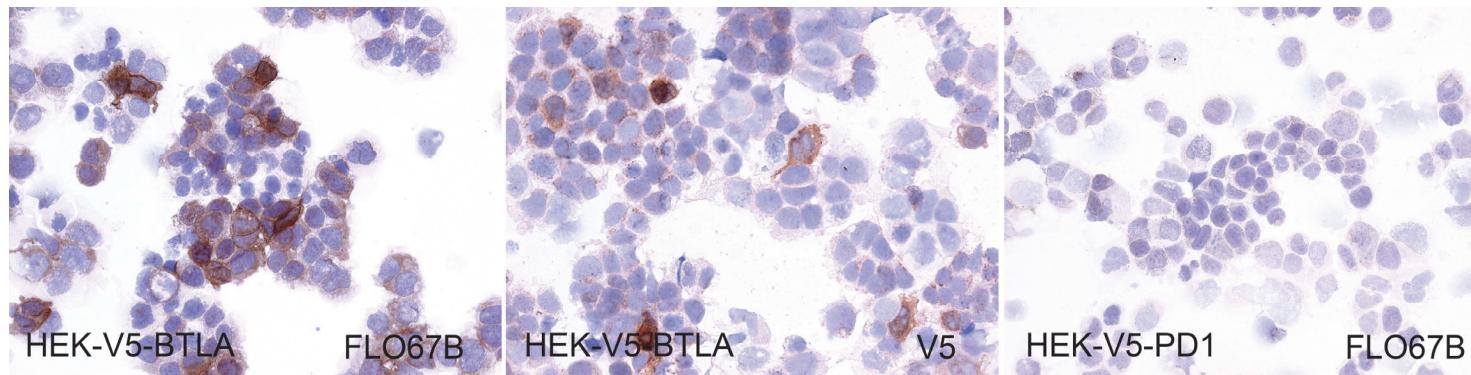
## APPLICATIONS



### | ICC | *Immunocytochemistry*

FLO67B mAb is able to detect human BTLA protein in immunocytochemistry.

To confirm that FLO67B mAb recognizes human BTLA protein, immunocytochemistry on frozen cytospins preparations of V5-tagged human BTLA expressed in HEK293 was performed. Mouse V5 antibody was used as positive control. Cytospin preparation of V5-tagged human PD1 protein was used as a negative control.



## WB | Western Blotting

FLO67B **is not recommended** for the detection BTLA protein by WB. Further validation experiments have to be done to confirm antibody specificity in this application.

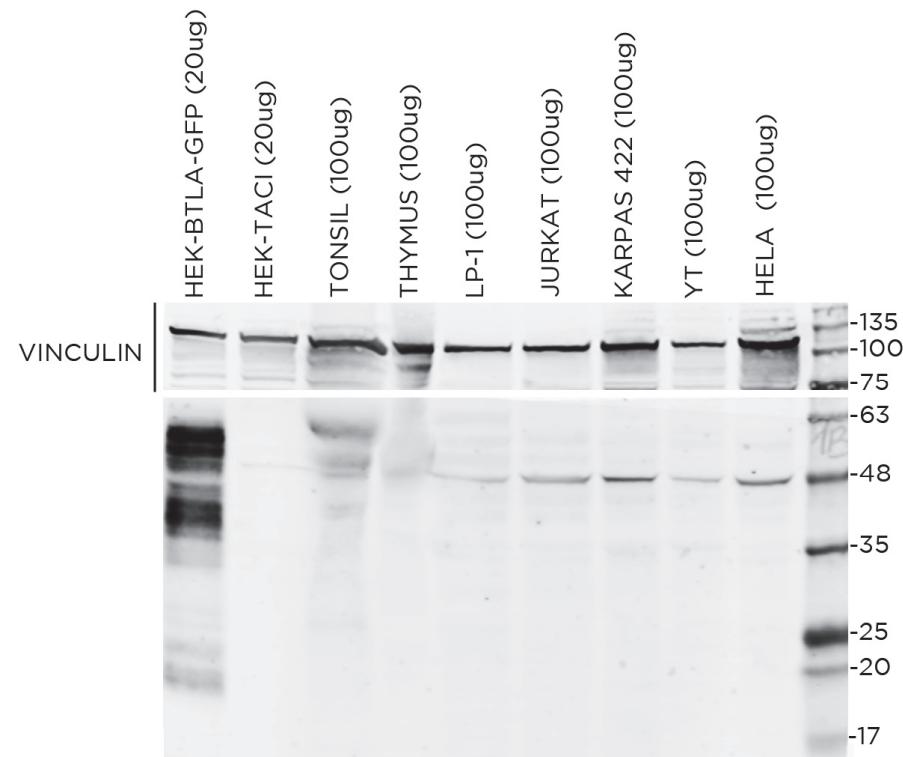
**DILUTION** 1:100 purified antibody

Predicted molecular weight: **33kDa**  
Observed molecular weight: **48kDa**

### LANES

Lane 1 Hek-BTLA-GFP	(20ug)
Lane 2 Hek-TACI	(20ug)
Lane 3 Tonsil	(100ug)
Lane 4 Thymus	(100ug)
Lane 5 LP1 cell line	(100ug)
Lane 6 Jurkat cell line	(100ug)
Lane 7 Karpas 422 cell line	(100ug)
Lane 8 YT cell line	(100ug)
Lane 9 HELA cell line	(100ug)

Vinculin was used as loading control



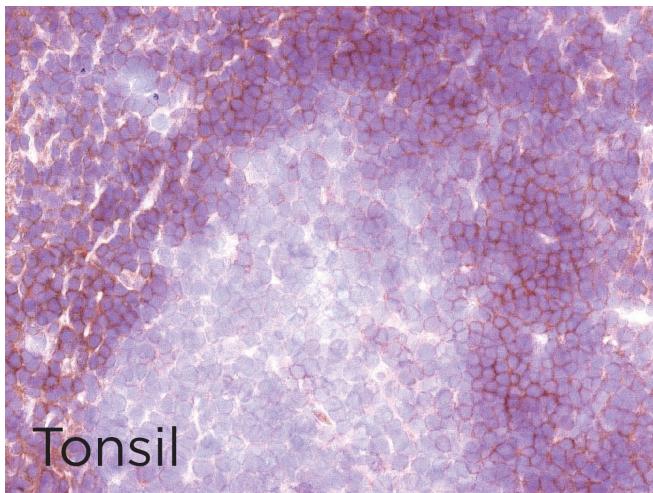
| IHC-F | ***Immunohistochemistry (frozen)***

Antibody FLO67B can be used to detect BTLA protein in human frozen tissues

**TISSUE SAMPLE** Human Tonsil

**DILUTION** 1:5 (Supernatant)

**ANTIBODY INCUBATION** 30 min



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

Antibody FLO67B can be used to detect BTLA protein in human paraffin tissues.

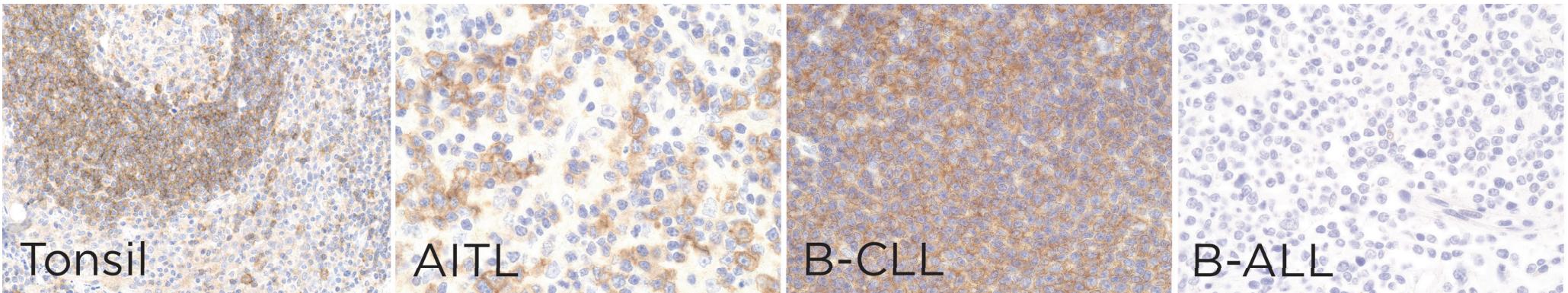
**TISSUE SAMPLE** Human tonsil, angioimmunoblastic T cell lymphoma (AITL), B cell Leukemia/lymphoma and B acute lymphoblastic leukemia (**B-ALL**)

**DILUTION** 1:5 (supernatant) or 1:100 purified antibody (1mg/ml)

**ANTIGEN RETRIEVAL** 30 minutes ER2 (Tris-EDTA)

**ANTIBODY INCUBATION** 30 minutes

**DETECTION SYSTEM** Novolink kit (BondMax Leica)



 | IF | **Immunofluorescence (paraffin)** Not working

 | FC | **Flow Cytometry** Not done

 | IP | **Immunoprecipitation** Not done

**SOLD BY:** Millipore and Abcam

## **REFERENCES**

Philippe Trougouboff and Hila Kreizman Shefe. B and T lymphocyte attenuator expression in mature B cell lymphomas. Journal of Hematopathology, June 2013, Volume 6, Issue 2, pp 57-63.