

## CD147 | Validation File

**TARGET** CD147

**CLONE NAME** NK99C

**DESCRIPTION** mouse monoclonal

**ANTIGEN USED** YT cell line

**ISOTYPE** IgG1

**SPECIES REACTIVITY** human


**LOCALIZATION** membrane

**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

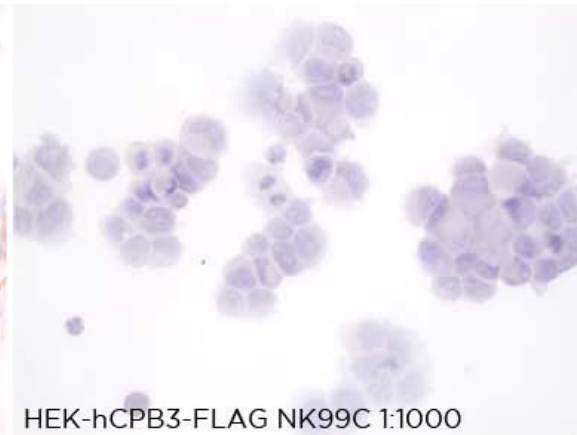
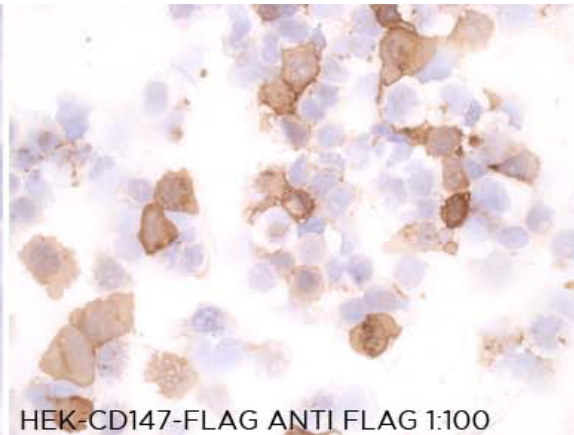
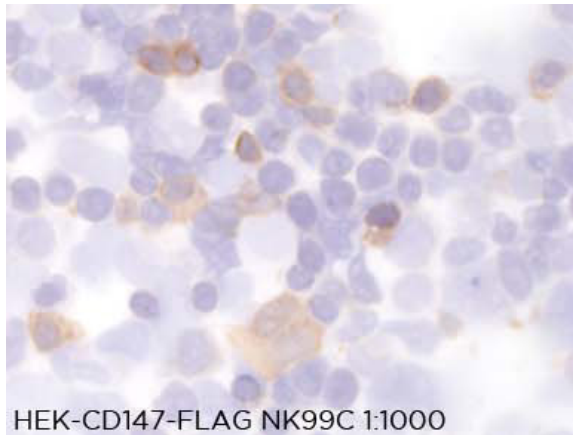
 Not Recommended

 Not Tested

# APPLICATIONS

## ● | ICC | Immunocytochemistry

To confirm that NK99C mAb recognizes human CD147 protein, immunocytochemistry on frozen cytospin preparations of human CD147 expressed in HEK293 was performed. Anti-FLAG antibody was used as positive control. Cytospin preparation of human CPEB3 protein was used as a negative control.



● | WB | **Western Blotting**

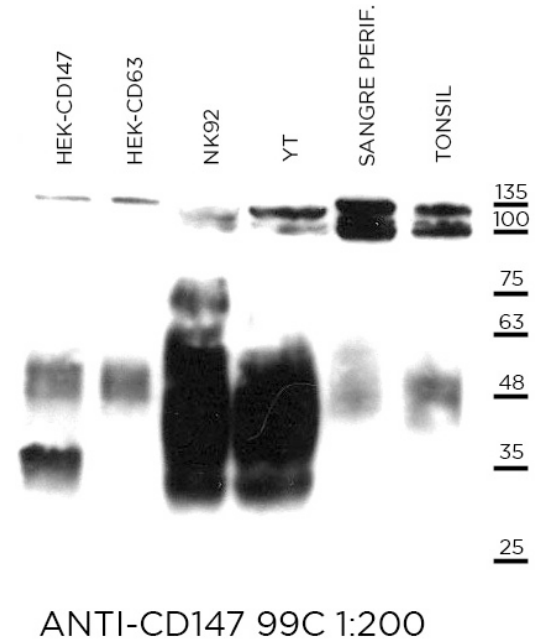
NK99C mAb is able to detect human CD147 protein by WB.

**DILUTION** 1:200 purified antibody

Predicted molecular weight: **42KDa**

**LANES**

Lane 1	HEK-CD147	(10ug) (+)
Lane 2	HEK-CD63	(10ug) (-)
Lane 3	NK9 cell line	(100ug) (+)
Lane 4	YT cell line	(100ug) (+)
Lane 5	Peripheral Blood	(100ug) (-)
Lane 6	Human Tonsil	(100ug) (-)



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

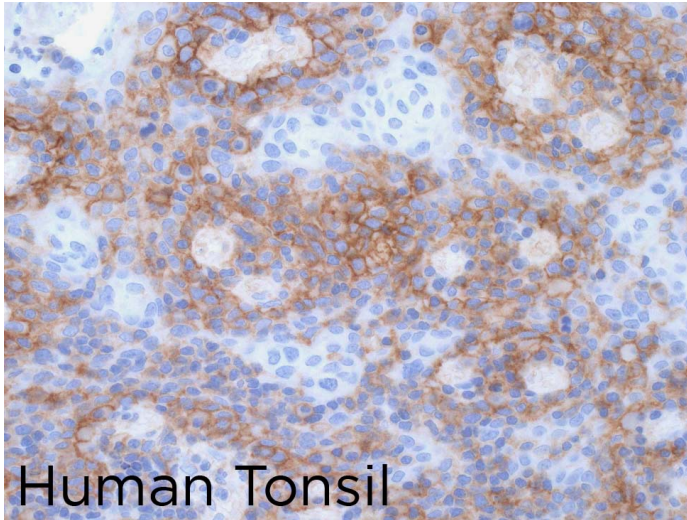
NK99C antibody can be used to detect CD147 protein in human paraffin tissues.

**TISSUE SAMPLE** Human tonsil

**DILUTION** 1:80 (supernatant) or 1:600 purified antibody

**ANTIGEN RETRIEVAL** 20 minutes ER2 (Tris-EDTA)

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



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

● | IP | **Immunoprecipitation** Not tested

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

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