

## GFP | Validation File

**TARGET** GFP (Green Fluorescence Protein from Aequorea victoria)

**CLONE NAME** LAS325A

**DESCRIPTION** Rat monoclonal

**ANTIGEN USED** HIS-GFP

**ISOTYPE** IgG1

**SPECIES REACTIVITY** Aequorea victoria

**LOCALIZATION** not expressed in mammary tissues

**POSITIVE CONTROL** GFP protein

**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

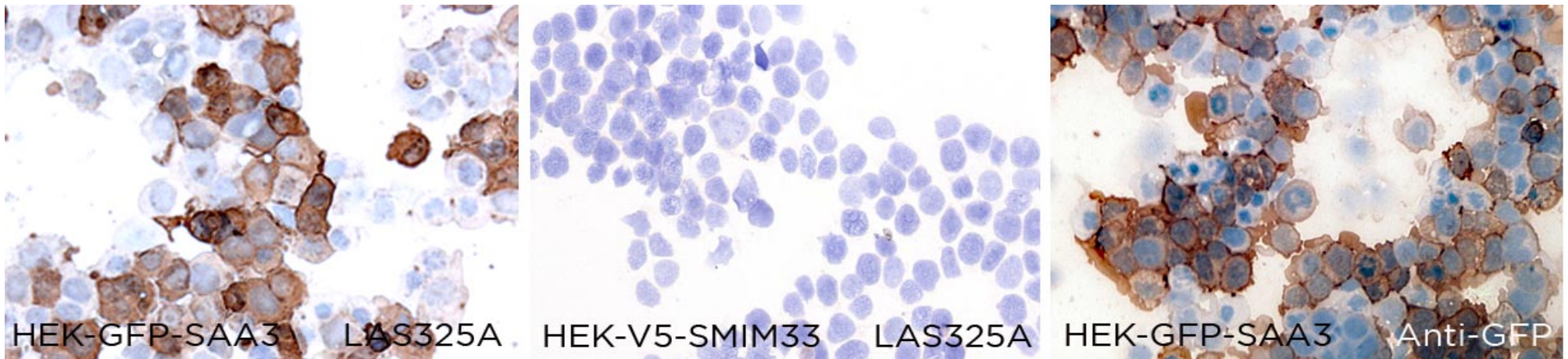
# APPLICATIONS

## ● | ICC | Immunocytochemistry

LAS325A mAb is able to detect GFP protein in immunocytochemistry

**DILUTION** no dilution (neat supernatant)

To confirm that LAS325A mAb recognizes GFP protein, immunocytochemistry on frozen cytopins preparations of GFP-tagged mouse Saa3 expressed in HEK293T was performed. Cytopsin preparation of HEK-V5-SMIM33 transfected cells was used as a negative control. Labeling with the anti-GFP pAb (clone A11122) confirmed the efficiency of transfection.



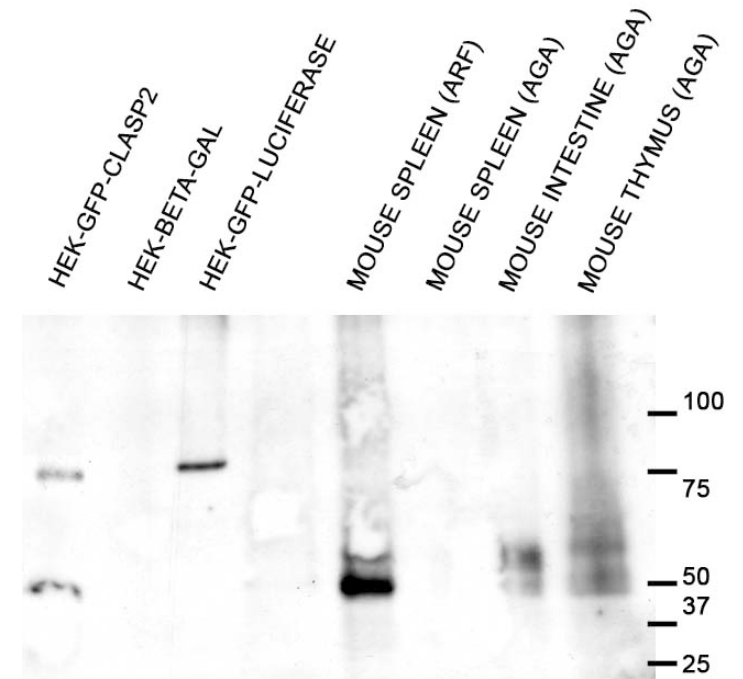
## ● | WB | Western Blotting

LAS325A mAb is able to detect GFP protein by WB.

**DILUTION** no dilution (neat supernatant)

### LANES

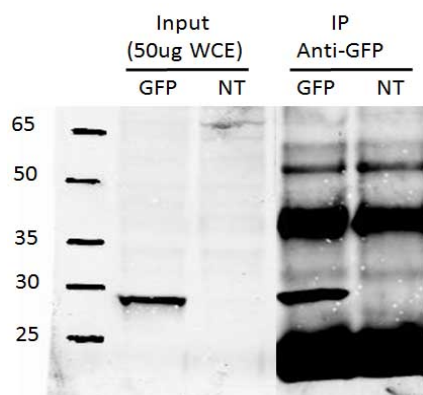
Lane 1 HEK-GFP-CLASP2 transfected cells	(0,1ug) (+)	80kDa
Lane 2 HEK-beta-gal transfected cells	(0,1ug) (+)	
Lane 3 HEK-GFP-Luciferase transfected cells	(0,1ug) (+)	92kDa
Lane 4 Empty		
Lane 5 Mouse spleen extract (GFP+)	(0,1ug) (+)	
Lane 6 Mouse spleen extract (Flt4-EGFPluc-KI)	(0,1ug) (-)	
Lane 7 Mouse intestine extract (Flt4-EGFPluc-KI)	(0,1ug) (+)	57kDa
Lane 8 Mouse thymus extract (Flt4-EGFPluc-KI)	(0,1ug) (+)	57kDa



LAS 325A/C3

● | IP | **Immunoprecipitation** Not Tested

LAS325A mAb is able to detect GFP protein by IP.



Immunoprecipitation of total protein extracts from HEK293T cells transfected with GFP or untransfected (NT). Overnight incubation rotating 4°C with 4ul anti-GFP antibody LAS325A. Blot: Anti-GFP rabbit polyclonal antibody 1:1000 (A11122).

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

● | IHC-P | **Immunohistochemistry (paraffin)** Not Recommended

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

● | FC | **Flow Cytometry** Not Tested

## REFERENCES

High-mobility group box (TOX) antibody a useful tool for the identification of B and T cell subpopulation. Maestre L, García-García JF, Jiménez S, Reyes-García AI, García-González A, Montes-Moreno S, Arribas AJ, González-García P, Caleiras E, Banham AH, Piris MA and Roncador G. PlosOne. Plos One in press.