

Catalogue No.

Qty:

300 µg

Anti-Venus

Source: Goat

General description: Goat polyclonal antibody to Venus. Venus is a genetic mutant of green fluorescent protein (GFP), derived from *Aequorea victoria*. Its excitation/emission peaks are 515/528 nm respectively and is often used as a donor-acceptor pair by researchers in FRET based co-localization studies.

Alternative names: GFP, Green fluorescent protein antibody.

Form: Polyclonal antibody supplied as a 100 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

Immunogen: Purified recombinant GFP peptide produced in *E. coli*.

Specificity: In 293HEK cells transfected with cds plasmid detects a band of 27 kDa by Western blot. This antibody also recognizes Venus/GFP and does not cross-react to mCherry/red fluorescent proteins.

Reactivity: Reacts with Transfected cells proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Transfected cells	+++	+++	+++	+++	ND

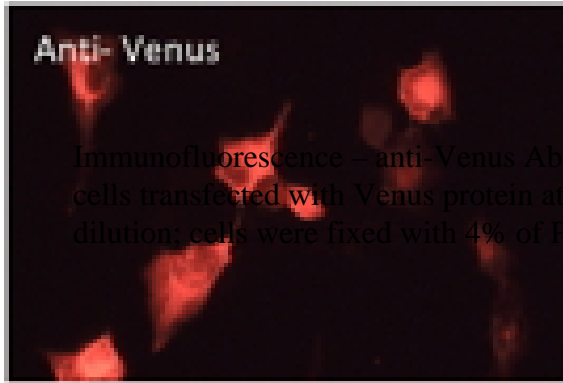
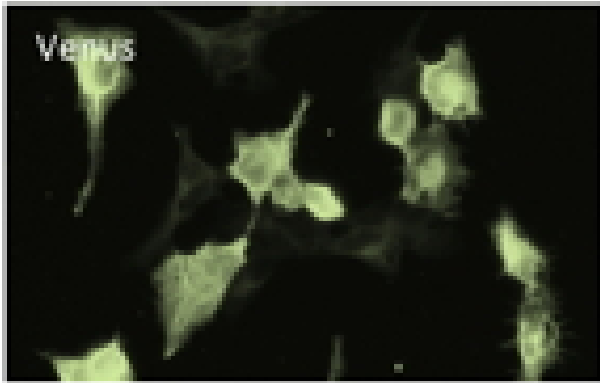
+++ excellent, ++ good, + poor, ND not determined

Usage:

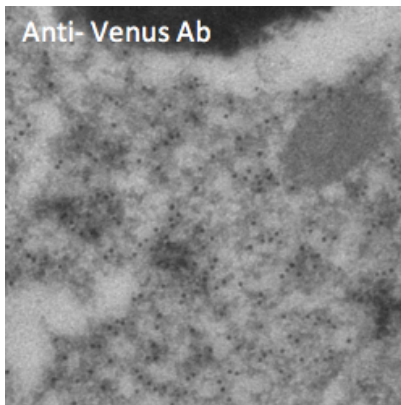
WB: 1:500-1:2,000
 IHC (F): 1:50-1:1,000
 IHC (P): 1:50-1:1,000
 IF: 1:50-1:1,000
 ELISA: ND
 IEM: 1:50-1:1,000

Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer. Working dilution samples should be discarded if not used within 12 hours.

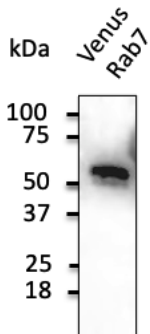
Special instructions: The antibody solution should be gently mixed before use..



Immunofluorescence – anti-Venus Ab in 293HEK cells transfected with Venus protein at 1/50 dilution; cells were fixed with 4% of PFA;



Immunogold labeling of epithelium cells, in vivo injected with Venus expressing vector;



Anti-Venus Ab at 1/2,000 dilution; 293HEK cells transduced with Venus-Rab7 Ad; lysates at 50 µg per lane; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;

For research use only, not for diagnostic use

SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.