

Catalogue No.

AB4336-100

Qty:

300 µg

Anti-mGold

Source: Goat

General description: Goat polyclonal antibody to mGold. mGold is a monomeric yellow fluorescent protein engineered from GFP-like fluorescent proteins derived from the jellyfish *Aequorea victoria*. mGold is a basic (constitutively fluorescent) yellow fluorescent protein designed as a bright and photostable reporter suitable for fusion tagging, live-cell imaging, and multicolor applications. It has improved maturation and brightness compared to earlier variants, with a maximum excitation at 515 nm and a maximum emission at 531 nm. mGold-tagged proteins can be detected in Western blot at approximately 26–27 kDa plus the molecular weight of the fused protein. In immunofluorescence, antibody staining can enhance detection, particularly in fixed samples or low-expression systems. These antibodies are widely used in studies of protein localization, trafficking, and multiplex imaging in mammalian and other model systems.

Alternative names: Yellow Fluorescent Protein

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 fluorescent protein produced in *E. coli*.

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

Reactivity: Reacts with Transfected cells proteins

Sample	WB	IHC (F)	IHC (P)	IF	IEM
Transfected cells	+++	+++	+++	+++	+++

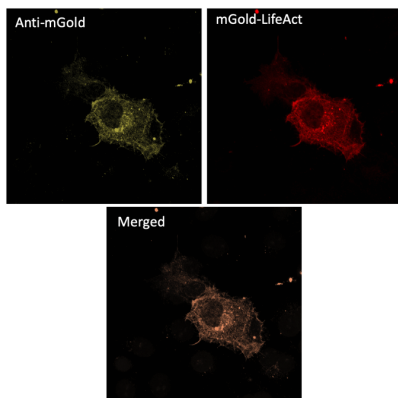
+++ excellent, ++ good, + poor, ND not determined

Usage:

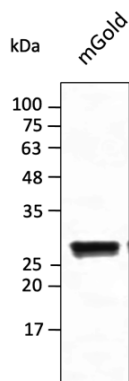
WB:	1:500-1:5,000
IHC (F):	1:50-1:500
IHC (P):	1:50-1:500
IF:	1:50-1:500
IEM:	1:50-1:500

Storage: Store at -20 C for long term storage. Store at 2-8 C for up to one month.

Special instructions: Avoid freeze/thaw cycles..



Immunofluorescence – anti-mGold Ab using hCEC cells transfected with mGold-LifeAct; cells were fixed with methanol and anti-mGold at 1/250;



Anti-mGold Ab at 1/2,500 dilution using HEK293 transfected cell 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.