SICGEN ANTIBODIES

# Product Data Sheet

| Catalogue No. | Qty: |
|---|---|
| AB2292-100 | 300 µg |

## Anti-mOrange

**Source:** Goat

**General description:** Goat polyclonal antibody to mOrange (Orange fluorescent protein). mOrange is a basic (constitutively fluorescent), monomeric engineered derivate of red fluorescent protein (RFP) isolated from members of the Discosoma (mushroom coral) family. mOrange is a ~27 kDa protein that is optimally excited at a 548 nm and has a maximum of emission at 562 nm. It is used in research as a reporter to label and study the biology of the cell using a wide range of applications.

**Alternative names:** red fluorescent protein, Orange 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 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 recognize GFP (green fluorescent protein).

**Reactivity:** Reacts with Transfected cells proteins

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

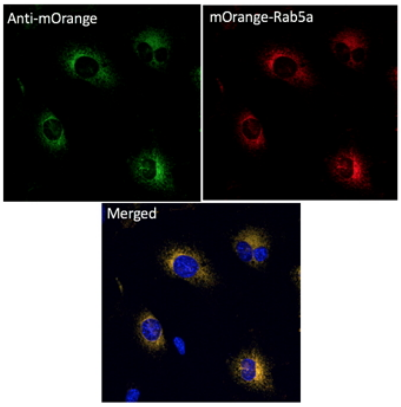
+++ excellent, ++ good, + poor, ND not determined

**Usage:**

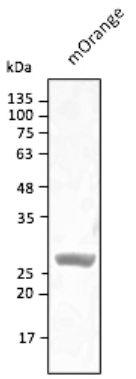
| | |
|---|---|
| WB: | 1:500-1:5,000 |
| IHC (F): | 1:50-1:500 |
| IHC (P): | 1:50-1:500 |
| IF: | 1:50-1:500 |
| IEM: | 1:50-1:500 |

**Storage:** 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.

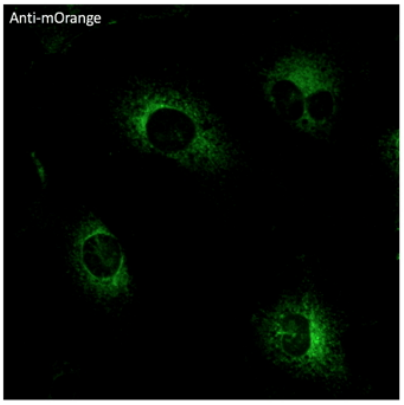
**Special instructions:** The antibody solution should be gently mixed before use..




Immunofluorescence – anti-mOrange Ab using hCEC cells transduced with mOrange-Rab5a; cells were fixed with methanol and anti-mOrange at 1/250;




Anti-mOrange 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;




Immunofluorescence – anti-mOrange Ab using hCEC cells transduced with mOrange-Rab5a; cells were fixed with methanol and anti-mOrange at 1/250;

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.