SICGEN ANTIBODIES

# Product Data Sheet

| Catalogue No. | Qty: |
|---|---|
| AB3764-100 | 300 µg |

## Anti-mNeptune

**Source:** Goat

**General description:** Goat polyclonal antibody to mNeptune (Far Red fluorescent protein). mNeptune is a basic (constitutively fluorescent) far red fluorescent protein, monomeric engineered derivate of far-red fluorescent protein (RFP) isolated from members of the Entacmaea quadricolor. It is reported to be a rapidly-maturing monomer with moderate acid sensitivity. mNeptune is a ~27 kDa protein that is optimally excited at a 600 nm and has a maximum of emission at 650 nm. This bright far-red fluorescent protein is used in research as a reporter to label and study the biology of the cell using whole body imaging.

**Alternative names:** Far -Red 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:** Affinity purified recombinant fluorescent protein (HIR78_01785 from Bacillus subtillis) and produced in E. coli.

**Specificity:** In lysates of transfected cells with the plasmid containing the fluorescent sequence, detects the recombinant protein by Western blot.

**Reactivity:** Reacts with Transfected cells proteins

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

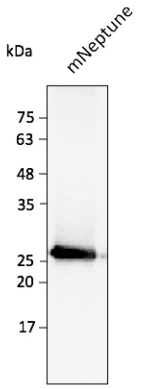
+++ excellent, ++ good, + poor, ND not determined

**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..




Anti-mNeptune Ab at 1/2,500 dilution using HEK293 transfected cell lysates at 40 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.