

**Catalogue No.**

AB0412-100

**Qty:**

300 µg

## Anti-mKate

**Source:** Goat

**General description:** Goat polyclonal antibody to mKate (Red fluorescent protein). mKate is a basic (constitutively fluorescent) red fluorescent protein, monomeric engineered derivate of far-red fluorescent protein (RFP) isolated from members of the *Entacmaea quadricolor*. mKate is a ~26 kDa protein that is optimally excited at a 588 nm and has a maximum of emission at 635 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 subtilis*) 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
Transfected cells	+++	ND	ND	ND	ND

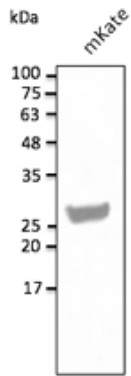
+++ excellent, ++ good, + poor, ND not determined

**Usage:**

WB: 1:500-1:5,000

**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..



Anti-mKate 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.