

**Catalogue No.**

AB2491-100

**Qty:**

300 µg

## Anti-mCardinal

**Source:** Goat

**General description:** Goat polyclonal antibody to mCardinal (Far Red fluorescent protein). mCardinal is a basic (constitutively fluorescent) far red fluorescent protein, monomeric engineered derivative 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. mCardinal is a ~27 kDa protein that is optimally excited at a 604 nm and has a maximum of emission at 659 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	IEM
Transfected cells	+++	ND	ND	ND	ND	+++

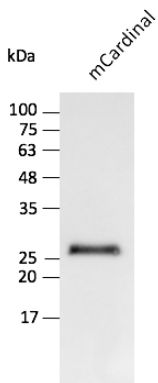
+++ excellent, ++ good, + poor, ND not determined

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

**Special instructions:** Avoid freeze/thaw cycles..



Anti-mCardinal 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.