



## Non-biotin IF Detection Kits

*Mouse, Rabbit, Rat Antibodies on Human and Animal Tissues or Cell Smears*

Medaysis MedaFluo™ immunofluorescence detection kits are specially designed for immunofluorescence detection on formalin-fixed paraffin embedded tissues, cryostat sections, and cell smears. The detection components have gone through extensive absorption to reduce cross reactivity. The kits are utilizing biotin-free signal amplification technologies that eliminate endogenous biotin background to achieve optimal signal-to-noise ratio. MF utilize different conjugating technology thus may be used for multiplexing.

Medaysis provides bright and stable Fluor dyes in all detection systems. Fluor dyes exhibit bright fluorescence intensity and photo stability. Also it remains highly fluorescent over a broad pH range (pH 4-9). These make it an ideal choice for researchers' immunofluorescence applications.

### Features

**Non-biotin  
 signal  
 amplification**

**Cleaner staining  
 without background**

**Brighter  
 fluorescence signal**

**Improved  
 photo- stability**

**Easy to follow protocol**

### Reference Table

| Product   | Technology | Available Dyes  | Primary antibodies   |
|-----------|------------|---|--|
| MedaFluo™ | Non-Biotin | Fluor <span style="background-color: #00FF00;">488</span> , <span style="background-color: #FFFF00;">550</span> , <span style="background-color: #FFA07A;">594</span> , <span style="background-color: #FF0000;">650</span> | Mouse, Rabbit, Mouse (on Mouse tissue), Rat (on mouse tissue), Mouse (on rat tissue) |

### Dyes Specifications

| Color   | Emission | Fluor | Excitation/Emission* | Spectrally Similar Dyes                 |
|---|----------|-------|----------------------|---|
| <span style="background-color: #00FF00;"> </span> | Green    | 488   | 493/518              | Alexa Fluor 488, FITC, DyLight 488      |
| <span style="background-color: #FFFF00;"> </span> | Yellow   | 550   | 562/576              | Alexa 546, 555, Cy3, TRITC, DyLight 550 |
| <span style="background-color: #FFA07A;"> </span> | Red      | 594   | 593/618              | Alexa Fluor 594, Texas Red, DyLight 594 |
| <span style="background-color: #FF0000;"> </span> | Red      | 650   | 652/672              | Alexa Fluor 647, Cy5, DyLight 649       |

\*Excitation and emission maxima in nanometers (+/- 4nm) in phosphate-buffered saline (PBS)



Autofluorescence, caused from endogenous fluorophore such as porphyrins, lipofuscin, NADPH, flavins, collagen, elastin, tryptophan, tyrosine and phenylalanine etc., is an intrinsic property of cells and tissues. It can also be caused by the fixatives used. Autofluorescence complicates the use of fluorescence microscopy and interferes with detection of specific fluorescent signals.

Medaysis ready-to-use Autofluorescence Blocking Kit will reduce or eliminate autofluorescence and increase the signal to noise ratio. With the Autofluorescence Blocking Reagent, researchers can clearly visualize and quantify the target signal without interference from the autofluorescence.

**Cat. No.:** MB001L (100ml) and MB001M (18ml)

**Features**

- Clean staining no autofluorescence
- Increased signal to noise ratio
- User friendly ready-to-use format
- Compatible with commercial fluor

## MedaFluo™ Mouse on Mouse Immunofluorescence Detection

| Cat No | Description   | Size | Antibody | Applicable Tissue |
|--------|---|------|----------|-------------------|
| MF001M | MedaFluo™ 488 Mouse on Mouse Immunofluorescence Detection Kit | 18ml | Mouse    | Mouse             |
| MF001S | MedaFluo™ 488 Mouse on Mouse Immunofluorescence Detection Kit | 6ml  | Mouse    | Mouse             |
| MF002M | MedaFluo™ 550 Mouse on Mouse Immunofluorescence Detection Kit | 18ml | Mouse    | Mouse             |
| MF002S | MedaFluo™ 550 Mouse on Mouse Immunofluorescence Detection Kit | 6ml  | Mouse    | Mouse             |
| MF003M | MedaFluo™ 594 Mouse on Mouse Immunofluorescence Detection Kit | 18ml | Mouse    | Mouse             |
| MF003S | MedaFluo™ 594 Mouse on Mouse Immunofluorescence Detection Kit | 6ml  | Mouse    | Mouse             |
| MF010M | MedaFluo™ 650 Mouse on Mouse Immunofluorescence Detection Kit | 18ml | Mouse    | Mouse             |
| MF010S | MedaFluo™ 650 Mouse on Mouse Immunofluorescence Detection Kit | 6ml  | Mouse    | Mouse             |

## MedaFluo™ Mouse on Human, Rabbit, Goat Immunofluorescence Detection

| Cat No | Description  | Size | Antibody | Applicable Tissue   |
|--------|--|------|----------|---------------------|
| MF031M | MedaFluo™ 488 Immunofluorescence Mouse Detection Kit | 18ml | Mouse    | Human, Rabbit, Goat |
| MF031S | MedaFluo™ 488 Immunofluorescence Mouse Detection Kit | 6ml  | Mouse    | Human, Rabbit, Goat |
| MF032M | MedaFluo™ 550 Immunofluorescence Mouse Detection Kit | 18ml | Mouse    | Human, Rabbit, Goat |
| MF032S | MedaFluo™ 550 Immunofluorescence Mouse Detection Kit | 6ml  | Mouse    | Human, Rabbit, Goat |
| MF033M | MedaFluo™ 594 Immunofluorescence Mouse Detection Kit | 18ml | Mouse    | Human, Rabbit, Goat |
| MF033S | MedaFluo™ 594 Immunofluorescence Mouse Detection Kit | 6ml  | Mouse    | Human, Rabbit, Goat |
| MF034M | MedaFluo™ 650 Immunofluorescence Mouse Detection Kit | 18ml | Mouse    | Human, Rabbit, Goat |
| MF034S | MedaFluo™ 650 Immunofluorescence Mouse Detection Kit | 6ml  | Mouse    | Human, Rabbit, Goat |

## MedaFluo™ Rabbit on Human, Rabbit, Goat Immunofluorescence Detection

| Cat No | Description   | Size | Antibody | Applicable Tissue  |
|--------|---|------|----------|--------------------|
| MF041M | MedaFluo™ 488 Immunofluorescence Rabbit Detection Kit | 18ml | Rabbit   | Human, Mouse, Goat |
| MF041S | MedaFluo™ 488 Immunofluorescence Rabbit Detection Kit | 6ml  | Rabbit   | Human, Mouse, Goat |
| MF042M | MedaFluo™ 550 Immunofluorescence Rabbit Detection Kit | 18ml | Rabbit   | Human, Mouse, Goat |
| MF042S | MedaFluo™ 550 Immunofluorescence Rabbit Detection Kit | 6ml  | Rabbit   | Human, Mouse, Goat |
| MF043M | MedaFluo™ 594 Immunofluorescence Rabbit Detection Kit | 18ml | Rabbit   | Human, Mouse, Goat |
| MF043S | MedaFluo™ 594 Immunofluorescence Rabbit Detection Kit | 6ml  | Rabbit   | Human, Mouse, Goat |
| MF044M | MedaFluo™ 650 Immunofluorescence Rabbit Detection Kit | 18ml | Rabbit   | Human, Mouse, Goat |
| MF044S | MedaFluo™ 650 Immunofluorescence Rabbit Detection Kit | 6ml  | Rabbit   | Human, Mouse, Goat |



**MedaFluo™ Goat on Human Immunofluorescence Detection**

| Cat No | Description   | Size | Antibody | Applicable Tissue |
|--------|---|------|----------|-------------------|
| MF051M | MedaFluo™ 488 Immunofluorescence Goat Detection Kit | 18ml | Goat     | Human             |
| MF051S | MedaFluo™ 488 Immunofluorescence Goat Detection Kit | 6ml  | Goat     | Human             |
| MF052M | MedaFluo™ 550 Immunofluorescence Goat Detection Kit | 18ml | Goat     | Human             |
| MF052S | MedaFluo™ 550 Immunofluorescence Goat Detection Kit | 6ml  | Goat     | Human             |
| MF053M | MedaFluo™ 594 Immunofluorescence Goat Detection Kit | 18ml | Goat     | Human             |
| MF053S | MedaFluo™ 594 Immunofluorescence Goat Detection Kit | 6ml  | Goat     | Human             |
| MF054M | MedaFluo™ 650 Immunofluorescence Goat Detection Kit | 18ml | Goat     | Human             |
| MF054S | MedaFluo™ 650 Immunofluorescence Goat Detection Kit | 6ml  | Goat     | Human             |

**MedaFluo™ Mouse on Rat Immunofluorescence Detection**

| Cat No | Description  | Size | Antibody | Applicable Tissue |
|--------|--|------|----------|-------------------|
| MF011M | MedaFluo™ 488 Mouse Immunofluorescence Detection Kit | 18ml | Mouse    | Rat               |
| MF011S | MedaFluo™ 488 Mouse Immunofluorescence Detection Kit | 6ml  | Mouse    | Rat               |
| MF012M | MedaFluo™ 550 Mouse Immunofluorescence Detection Kit | 18ml | Mouse    | Rat               |
| MF012S | MedaFluo™ 550 Mouse Immunofluorescence Detection Kit | 6ml  | Mouse    | Rat               |
| MF013M | MedaFluo™ 594 Mouse Immunofluorescence Detection Kit | 18ml | Mouse    | Rat               |
| MF013S | MedaFluo™ 594 Mouse Immunofluorescence Detection Kit | 6ml  | Mouse    | Rat               |
| MF014M | MedaFluo™ 650 Mouse Immunofluorescence Detection Kit | 18ml | Mouse    | Rat               |
| MF014S | MedaFluo™ 650 Mouse Immunofluorescence Detection Kit | 6ml  | Mouse    | Rat               |

**MedaFluo™ Rat on Mouse Immunofluorescence Detection**

| Cat No | Description   | Size    | Antibody | Applicable Tissue |
|--------|---|---------|----------|-------------------|
| MF021M | MedaFluo™ 488 Rat on Mouse Immunofluorescence Detection Kit | 18ml    | Rat      | Mouse             |
| MF021S | MedaFluo™ 488 Rat on Mouse Immunofluorescence Detection Kit | 6ml     | Rat      | Mouse             |
| MF022M | MedaFluo™ 550 Rat on Mouse Immunofluorescence Detection Kit | 18ml    | Rat      | Mouse             |
| MF022S | MedaFluo™ 550 Rat on Mouse Immunofluorescence Detection Kit | 6ml     | Rat      | Mouse             |
| MF023M | MedaFluo™ 594 Rat on Mouse Immunofluorescence Detection Kit | 18ml    | Rat      | Mouse             |
| MF023S | MedaFluo™ 594 Rat on Mouse Immunofluorescence Detection Kit | 6ml/kit | Rat      | Mouse             |
| MF024M | MedaFluo™ 650 Rat on Mouse Immunofluorescence Detection Kit | 18ml    | Rat      | Mouse             |
| MF024M | MedaFluo™ 650 Rat on Mouse Immunofluorescence Detection Kit | 6ml     | Rat      | Mouse             |

Research use only