

## Anti-MIF Antibody Picoband® FITC Conjugated

Catalog Number: PB9274-FITC

### About MIF

Macrophage migration inhibitory factor (MIF or MMIF), also known as GIF, is a protein that in humans is encoded by the MIF gene. It is a cytokine released by T-lymphocytes, macrophages, and the pituitary gland that serves to integrate peripheral and central inflammatory responses. MIF gene has 3 exons separated by introns of only 189 and 95 bp, and covers less than 1 kb. The localization of the human gene for MIF is to chromosome 22q11.2. MIF plays a critical role in inflammatory diseases and atherogenesis. It is also involved in cell-mediated immunity and immunoregulation. MIF plays a role in the regulation of macrophage function in host defense through the suppression of anti-inflammatory effects of glucocorticoids.

### Overview

Product Name	Anti-MIF Antibody Picoband® FITC Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P14174

### Technical Details

Immunogen	E.coli-derived human MIF recombinant protein (Position: P2-A115). Human MIF shares 89% and 90% amino acid (aa) sequence identity with mouse and rat MIF respectively.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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