antibodies -online.com





Go to Product page

Datasheet for ABIN2018217

MIF Protein (AA 1-115)

Overview

Quantity:	50 μg
Target:	MIF
Protein Characteristics:	AA 1-115
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant

Product Details

Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

MIF

Target:

Alternative Name:	Macrophage Migration Inhibitory Factor (MIF) (MIF Products)
Background:	Macrophage Migration Inhibitory Factor (MIF) is a pleiotropic cytokine, existing as a
	homotrimer in vivo. MIF was originally identified as a T cell derived factor responsible for the
	inhibition of macrophage migration. However, recently MIF has received much more attention
	because of its possible roles in angiogenesis and cancer development. MIF is over-expressed in
	various cancers, including pancreatic, breast, colon, brain, prostate, skin, and lung. The
	intratumoral expression MIF is strongly correlated with angiogenic growth factor expression,
	such as the expression of Interleukin 8 (IL-8) and Vascular Endothelial Growth Factor (VEGF),
	and with risk of recurrence after resection. Recombinant mouse Macrophage Migration

Target Details

Inhibitory Factor (r mMIF) produced in E. coli is a single non-glycosylated polypeptide chain containing 115 amino acids. r mMIF has a molecular mass of 12.5 kDa analyzed by reducing SDS-PAGE.

Synonyms: Macrophage Migration, Inhibitory Factor, GLIF, MMIF, GIF, Glycosylation-inhibiting factor

Molecular Weight: 12.5 kDa, observed by reducing SDS-PAGE.

UniProt: P34884

Pathways: Regulation of Systemic Arterial Blood Pressure by Hormones, Positive Regulation of Immune

Effector Process, Production of Molecular Mediator of Immune Response, Regulation of

Carbohydrate Metabolic Process, Feeding Behaviour, Smooth Muscle Cell Migration, Negative

Regulation of intrinsic apoptotic Signaling

Application Details

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstituted in ddH2O at 100 μg/mL.
Buffer:	Lyophilized after extensive dialysis against PBS.
Storage:	-80 °C
Storage Comment:	Lyophilized recombinant mouse Macrophage Migration Inhibitory Factor (rmMIF) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rmMIF remains stable up to 2 weeks at 4 °C or up to 3 months at -20 °C.
Expiry Date:	6 months