

**32-8313: Recombinant Mouse Macrophage Migration Inhibitory Factor/MIF (C-6His)**

**Gene :** Mif  
**Gene ID :** 17319  
**Uniprot ID :** P34884

**Description**

Source: E. coli.  
MW :13.5kD.

Recombinant Mouse Macrophage migration inhibitory factor is produced by our E.coli expression system and the target gene encoding Pro2-Ala115 is expressed with a 6His tag at the C-terminus. Macrophage migration inhibitory factor(MIF) is a secreted protein and belongs to the MIF family. MIF is an important regulator of innate immunity. The circulating MIF binds to CD74 on other immune cells to trigger an acute immune response. Hence MIF is classified as an inflammatory cytokine. Furthermore glucocorticoids also stimulate white blood cells to release MIF and hence MIF partially counter acts the inhibitory effects that glucocorticoids have on the immune system. Finally trauma activates the anterior pituitary gland to release MIF.

**Product Info**

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** PMFIVNTNVPRASVPEGFLSELTQQLAQATGKPAQYIAVHVVPDQLMTFSGTNDPCALCSLHSIGKIGGAQNRN  
YSKLLCGLLSDRHLHISPDRVYINYYDMNAANVGWNGSTFALEHHHHHH

**Application Note**

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.