

Non-oxidizable chemokine-HMGB1, LPS free

Product Number: HM-130; HM-131; HM-132; HM-133

Expiration date: (depends on batch)

Batch number: (each batch has a specific tracking number)

Batch concentration: (depends on batch) after addition of (depends on batch) μ L of distilled water.

Product Description:

This product is a mutant protein where all cysteines are replaced with serines.

Non-oxidizable chemokine-HMGB1, LPS free, has chemoattractant activity *in vitro* and *in vivo*, does not have cytokine-inducing activity and is resistant to inactivation by ROS (Venereau *et al*, 2012).

This product is produced in E.coli. It contains only trace amounts of LPS (<0.4 ng/mg protein), and is tested for the ability is tested for the ability to induce fibroblast migration.

Reagent format:

Non-oxidizable chemokine-HMGB1 is lyophilized from 50 mM HEPES buffer pH 7.9, 500 mM NaCl and 0.5 mM DTT.

Storage: 2-8°C. The protein once resuspended can be stored frozen (-20°C).

How to use product:

The product can be used to recruit leukocytes *in vivo* without inducing cytokine/chemokine production (Venereau *et al*, 2012).

This product is for research use only

References:

Venereau *et al* (2012) Mutually exclusive redox forms of HMGB1 promote cell recruitment or proinflammatory cytokine release. *J Exp Med* 209

Tirone *et al* (2017) High mobility group box 1 orchestrates tissue regeneration via CXCR4. *J.Exp Med*

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MGKGDPPKPR  GKMSYYAFFV  QTSREEHKKK
HPDASVNFSE  FSKKSSERWK  TMSAKEKGKF
EDMAKADKAR  YEREMKTYIP  PKGETKKKFK
DPNAPKRPPS  AFFLFSSEYR  PKIKGEHPGL
SIGDVAKKLG  EMWNNTAADD  KQPYEKKAAC
LKEKYEKDIA  AYRAKGKPPA  AKKGVVKAEK
SKKKKEEEDD  EEDEEEDEEE  EEEEEDEEEE
DDDDE
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Fig. 1. Non-oxidizable chemokine-HMGB1 sequence

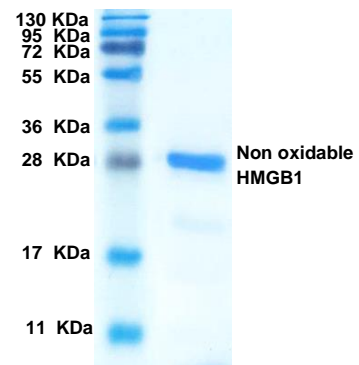


Fig. 2. SDS-PAGE with Coomassie Blue staining

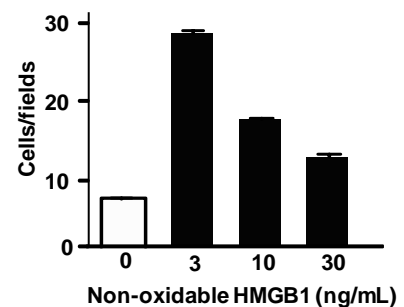


Fig. 3. Migration assay with 3T3 mouse cells