

## Non-oxidizable chemokine-HMGB1, LPS free

**Product Number:** \*\*\*\*\*  
**Expiration date:** \*\*\*\*\*  
**Batch number:** \*\*\*\*\*  
**Batch concentration:** \*\*\*\*\* mg/mL after addition of  
 \*\*\*\*\*  $\mu$ 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).

The protein is free from LPS (<0.1EU/mL). The product contains <0.006% v/v of Triton X-114 due to LPS removal procedure and is tested for the ability to induce fibroblast migration.

### Reagent format:

The lyophilized protein once reconstituted will be dissolved in a solution containing 50 mM HEPES pH 7.9, 500 mM NaCl, 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:

- Chen J.Q. *et al* (2022) Nonoxid-HMGB1 Attenuates Cognitive Impairment After Traumatic Brain Injury in Rats. *Front Med.* 11:9:827585
- Tirone M. *et al* (2018) High mobility group box 1 orchestrates tissue regeneration via CXCR4. *J Exp Med* 215(1):303-318
- Venereau E. *et al* (2012) Mutually exclusive redox forms of HMGB1 promote cell recruitment or proinflammatory cytokine release. *J Exp Med* 209

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MGKGDPPKPR  GKMSYAFFV  QTSREEHKKK
HPDASVNFSE  FSKKSSERWK TMSAKEKGKF
EDMAKADKAR  YEREMKTYIP PKGETKKKFK
DPNAPKRPPS  AFFLFSSEYR PKIKGEHPGL
SIGDVAKKLG  EMWNNTAADD KQPYEKKAAC
LKEKYEKDIA  AYRAKGKPPA AKKGVVKAEC
SKKKKEEEDD  EDEEDEEEEE EEEEEDEEEE
  
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Fig. 1. Non-oxidizable-HMGB1 sequence

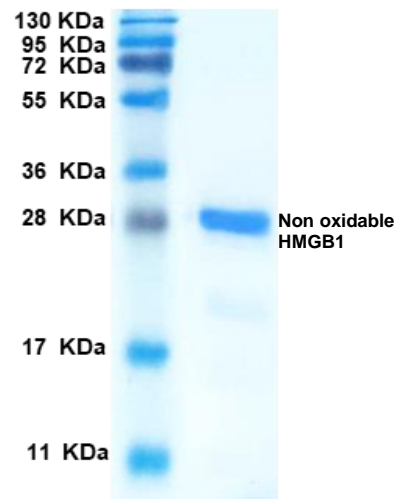


Fig. 2. SDS-PAGE with Coomassie Blue staining

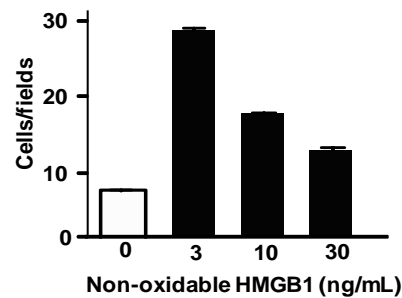


Fig. 3. Migration assay with 3T3 mouse cells