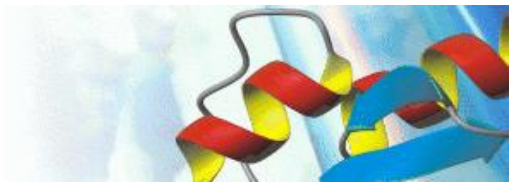

Embryonic fibroblasts immortalized with large T antigen

Product Number: HM-201
Batch number: (depends on batch)

Product Description:
This product includes two different MEFs: *Hmgb1*$^{+/+}$(wild type) and *Hmgb1*$^{-/-}$ mouse embryonic fibroblasts immortalized with large T antigen.
This immortalized clone of *Hmgb1*$^{-/-}$ contains HMGB2, which in most instances is redundant to HMGB1.
These are non-syngenic, and derive from a F2 cross of 129Sv and C57Bl/6 mice (Calogero *et al.* The lack of chromosomal protein HMG1 does not disrupt cell growth, but causes lethal hypoglycaemia in newborn mice. Nature Genet 1999, 22: 276-80).

Reagent format:
Hmgb1$^{+/+}$ and *Hmgb1*$^{-/-}$ MEFs are shipped in dry ice FCS + 10% DMSO.

Handling procedure for frozen cells
To insure the highest level of viability, thaw the vial and initiate the culture as soon as possible upon receipt.
If upon arrival, continued storage of the frozen culture is necessary, it should be stored in liquid nitrogen vapour phase and not at -80°C. Storage at -80°C will result in loss of viability.
The viability of HM-201 is warrented for 35 days from the date of shipment.
Hmgb1$^{-/-}$ cells grow more slowly than *Hmgb1*$^{+/+}$ cells, and are less resistant to freezing.

Long term storage:
The cells can be stored in liquid nitrogen vapor phase in FCS + 10% DMSO.

How to use product:
The MEFs can be maintained indefinitely as monolayer cultures in complete DMEM high glucose (10% FCS, 1 mM sodium pyruvate, 0.5 mM β-Mercapthoethanol, 100 U/ml penicillin and 100 μg/ml streptomycin) at 37°C in air atmosphere 5% CO_2.

This product is for research use only.

References:
Scaffidi *et al*. Release of chromatin protein HMGB1 by necrotic cells triggers inflammation. Nature 2002, 418: 191-5