

İleri Hücre Biyolojisi

56902001

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Ankara Üniversitesi Kök Hücre Enstitüsü

Multipotent Kök Hücreler

Mezenkimal Kök Hücre Kaynakları

- Kemik iliği
- Adipoz doku
- Plasenta
- Kordon



Niş - izolasyon ve büyüme ortamı

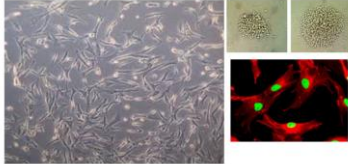
Rejeneratif Tıp !

M. Parmaksiz

Multipotent Kök Hücreler

Mezenkimal Kök Hücre Kaynakları

- Dondurulmuş kullanıma hazır ürün
- Yüksek sayılarda çoğaltılabile
- Allojenik kullanım
- Kolay üretim
- Rejeneratif özellikler
- İmmün-modülatör...



- Fibroblast benzeri hücre morfolojisi
- Multipotent farklılaşma kabiliyeti
- Kısa doubling-time stresi
- Koloni oluşturma eğilimi
- Karakteristik marker profilleri; CD34-, CD45-, CD31-, CD44+, CD90+, CD105+

M. Parmaksiz

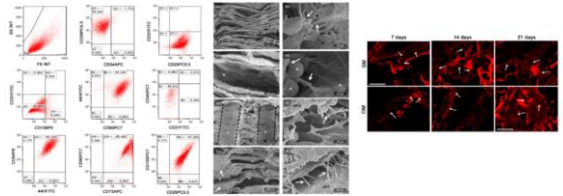
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Materials Science & Engineering C

Development of a novel small intestinal submucosa (SIS) hydroxyapatite-based multilayer composite scaffold for hard tissue repair

Mahmut Parmaksiz¹, Ayşe İrem Elçi², Tuğra Meriç Elçi^{2*}

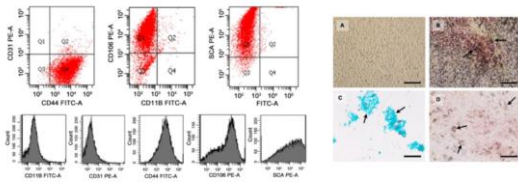
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Retroviral vector loaded mesenchymal stem cells as efficient gene therapy tools for cancer treatment

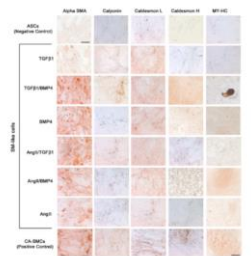
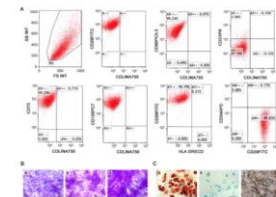
İbrahim Bektaş AKTAN¹, Mahmut AKERİLLİ^{1*}, Ayşe İrem ELÇİ², Mahmut PARMAKSIZ², Ayşe İzzet KORKMAZ², Ayşe ÖZDEMİR ÇELİK², Yusuf Nispet ELÇİN², Fatma KÜÇÜK



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Differential gene expression profiling of human adipose stem cells differentiating into smooth muscle-like cells by TGFβ1/BMP4

Ayşe İrem Elçi¹, Mahmut Parmaksiz¹, Arzu Degan, Selman Şeker, Serap Durukan, Klara Duhra, Yusuf Meriç Elçi²



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 www.open-cell-research.com

Decellularized Cell Culture ECMs Act as Cell Differentiation Inducers

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