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Catalog #: cd90-250, Clone 5E10, Isotype IgG<sub>1k</sub>, Mouse  
Core of particles: Magnetite Fe<sub>3</sub>O<sub>4</sub>  
Magnetite/ml 0.5 mg/ml  
Particle Shape/Size: Irregular shaped particles composed of 10 nm crystals. 250 nm size ±10%  
Density: 1.0016 g/cc  
Surface Area: > 4.8 m<sup>2</sup>/gram  
# of particles: >10<sup>13</sup> particles/gram  
Coating on Core: Dextran  
SUSPENSION: 10 mM Phosphate pH 7.5 with 0.02% Sodium Azide

**Specificity of Mab:** Reacts with a 25-35 kDa molecule expressed on 1-4% of human fetal liver cells, cord blood cells, and bone marrow cells. Anti-CD90 reacts with a subset of immature, CD34+ cells and a distinct subset of mature CD34- cells that are CD3+CD4+. The CD90+CD34+ population is highly enriched for cells capable of long-term culture. Anti-CD90 is useful for enriching high proliferative potential colony-forming cells (HIPP-CFC) which are primitive progenitor cells.

Shelf Life: 7 months . Do not freeze.

Use: For Research use only