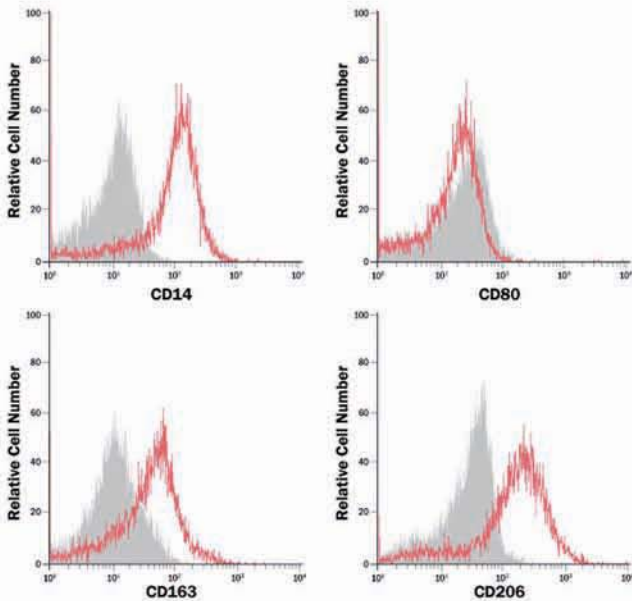


# CellXVivo™ Human M2 Macrophage Differentiation Kit

- M2 Macrophage cell로 분화를 위한 최적의 조건 !!

Macrophagy에 의한 염증반응 및 Cancer 환경 조절에 대한 연구자들을 위한 Solution !



## ▶ 선택의 이유

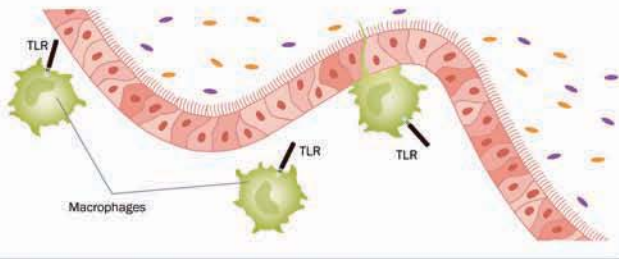
- ✓ High Quality R&D Systems Cytokine 포함
- ✓ Validated Protocol - 검증 된 제품
- ✓ 추가 장비 필요 없이 kit 하나면 O.K
- ✓ High Differentiation Yield

Human PBMC에서 CD14+ monocytes 분리 후, M2 Macrophage로 분화시킨 결과

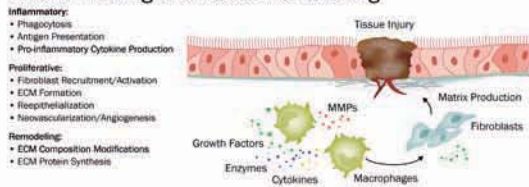
CD14+이면서 Macrophage marker인 CD205+ 임을 볼 수 있으며 CD163+이며 CD80- 로 M2 Macrophage로 잘 분화되었음을 알 수 있다.

## ▶ M2 Macrophage Functions

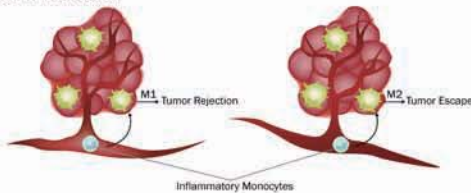
Immune Surveillance



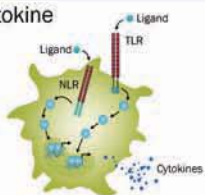
Wound Healing and Tissue Remodeling



Tumor Infiltration

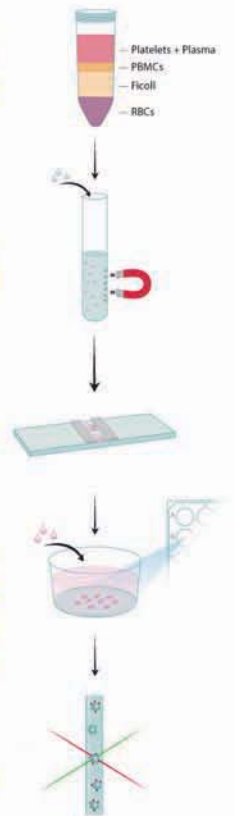


Growth Factor Cytokine Production



## ▶ CellXVio 실험 과정

1. Human blood로부터 PBMC 분리
2. Human CD14+ monocytes 분리 (using magnetic cell selection)
3. Cell Count
4. Human M2 Macrophage differentiation media 내에  $1 \times 10^6$  cells/ml seeding
5. 6일 동안 culture  
3일째 Media Change
6. 6일째 Flow Cytometry 이용 M2 Macrophage Differentiation verify



## ▶ Order Information

#CDK013 Human M2 Macrophage Differentiation Kit  
< 96well 기준 5 plate 기준 >

#MAGH105 HMagCollect™ hUMAN CD14+ Cell Isolation Kit  
contains Anti-Human CD14 Biotinylated Ab,  
Streptavidin Ferrofluid, 10x Buffer

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