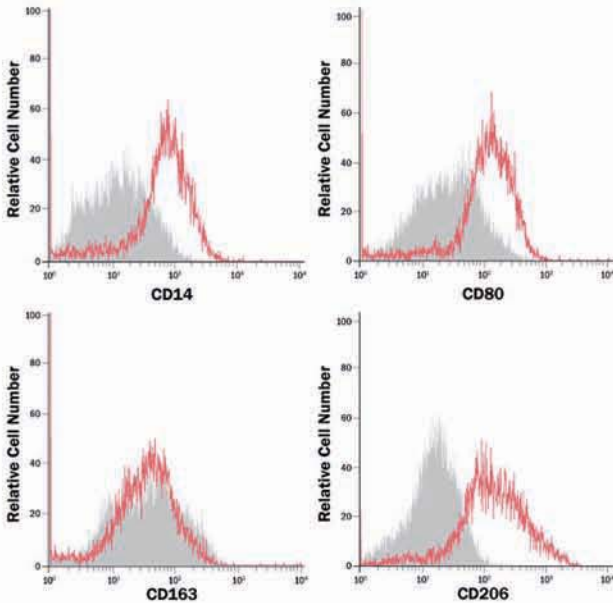


CellXVivo™ Human M1 Macrophage Differentiation Kit

- M1 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, M1 Macrophage로 분화시킨 결과

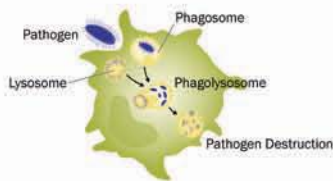
CD14+이면서 Macrophage marker인 CD205+ 임을 볼 수 있으며 CD80+이며 CD163- 로 M1 Macrophage로 잘 분화되었음을 알 수 있다.

▶ M1 Macrophage Functions

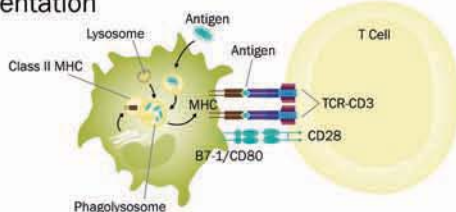
Phagocytosis

Removal of:

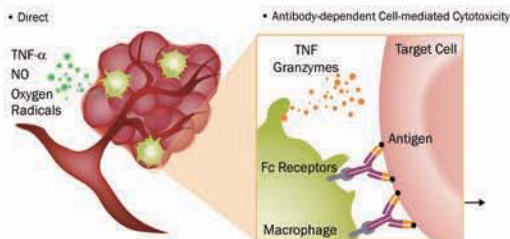
- Dead/Dying cells/Debris
- Pathogens
- Toxins



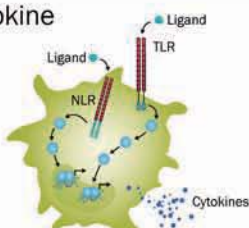
Antigen Presentation



Cytotoxicity

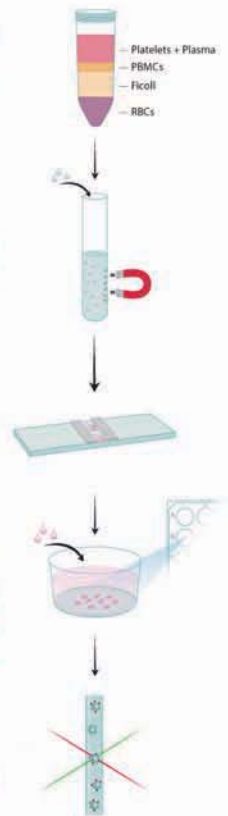


Inflammatory Cytokine Production



▶ CellXVio 실험 과정

1. Human blood로부터 PBMC 분리
2. Human CD14+ monocytes 분리 (using magnetic cell selection)
3. Cell Count
4. Human M1 Macrophage differentiation media 내에 1×10^6 cells/ml seeding
5. 6일 동안 culture
3일째 Media Change
6. 6일째 Flow Cytometry 이용
M1 Macrophage Differentiation verify



▶ Order Information

- #CDK012 *Human M1 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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