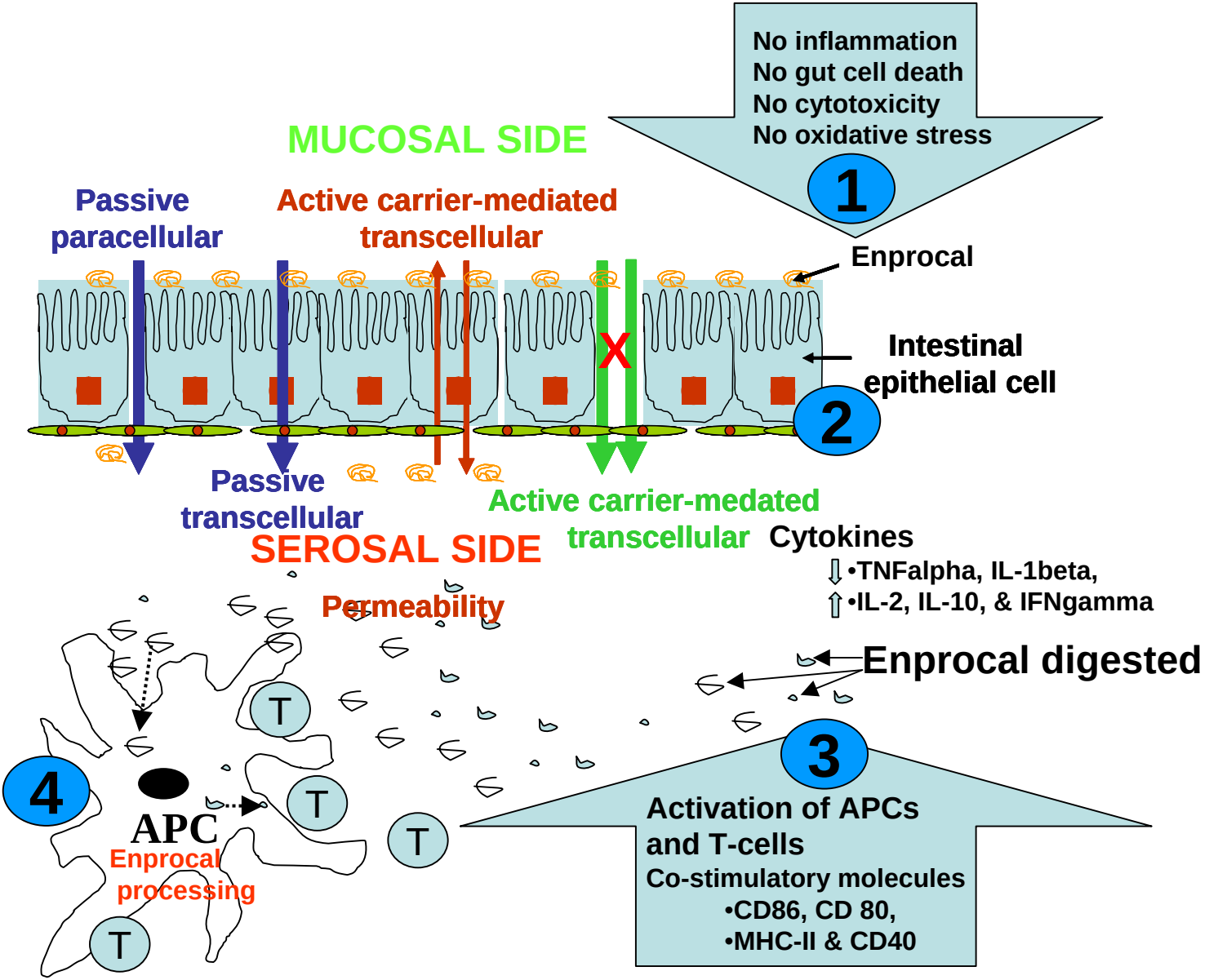
No inflammation
No gut cell death
No cytotoxicity
No oxidative stress
1
MUCOSAL SIDE
Passive paracellular
Active carrier-mediated transcellular
Enprocal
Intestinal epithelial cell
2
Passive transcellular
Active carrier-medated transcellular
SEROSAL SIDE
Cytokines
•TNFalpha, IL-1beta,
•IL-2, IL-10, & IFNgamma
Permeability
Enprocal digested
T
T
T
T
4
APC
Enprocal processing
3
Activation of APCs and T-cells
Co-stimulatory molecules
•CD86, CD 80,
•MHC-II & CD40