

Cytokines: 1hr. Cytokines are multifunctional proteins whose biological properties suggest a key role in hematopoiesis, immunity, infectious disease, tumorigenesis, homeostasis, tissue repair, and cellular development and growth. Properties of cytokines Biological functions of cytokines Cytokines family Properties of cytokines 1. Cytokines are potent, low-molecular weight protein 2. Cell regulators, produced transiently and locally by numerous cell types. 4. Cytokines usually act as signaling molecules (chemical messengers that tell cells how to behave ) by binding to their own glycoprotein receptors on cell membranes. Cytokines should not be confused with hormones