CLAIMS

1. A method for reducing fucosylation in the monoclonal antibody Itolizumab expressed by an eukaryotic cell, said method comprising culturing said eukaryotic cell in a medium containing an elevated concentration of manganese ions in a range of 0.1mM to 10 mM.

2. The method of claim 1, wherein said eukaryotic cell is selected from the group consisting of:
    - insect cells,
    - fungal cells,
    - yeast cells,
    - protozoan cells and
    - mammalian cells.

3. The method of claim 1, wherein the monoclonal antibody Itolizumab has an afucosylation level of 35% compared to the monoclonal antibody Itolizumab expressed in the absence of said elevated concentration of manganese ions.