CLAIMS:

1. A topical composition comprising a recombinant lectin protein having the amino acid sequence of SEQ ID NO: 2 for use in the prophylactic and/or therapeutic treatment of oral mucositis caused by chemotherapy and/or radiotherapy in a subject undergoing cancer treatment.
2. The composition for use of claim 1 wherein the composition is formulated for topical application to the oral mucosa.
3. The composition for use of claim 1, wherein the composition comprises one or more pharmaceutically acceptable excipients and/or diluents selected from buffer, viscosity enhancer, stabilizer, and humectant.
4. The composition for use of claim 3, wherein the composition comprises ;
    a. one or more buffers selected from TRIS buffer and sodium chloride;
    b. one or more viscosity enhancing agents selected from Hydroxyethyl cellulose, Poloxamer188 and sodium carboxy methyl cellulose;
    c. one or more humectant selected from glycerin, propylene glycol;
    d. one or more of stabilizers selected from sucrose, L-Arginine hydrochloride
5. The composition for use of claim 1, wherein the composition comprises of 0.01% to 2.5% lectin protein; 0.005% to 1.7% of TRIS; 0.007% to 2.4% of sodium chloride (NaCl); 0.1 to 4% of Hydroxy ethyl cellulose (HEC); 20% to 40% of propylene glycol;& 8% to 40% of glycerin.
6. The composition for use of claim 1, wherein the composition comprises 0.01% to 2.5% of lectin protein, 0.005% to 1.7% of TRIS, 0.007% to 2.4% of sodium chloride (NaCl), 3% to 10% of Sodium carboxy methyl cellulose (Sodium CMC), 0.01% to 4.5% of poloxamer, 4% to 60% of propylene glycol, 0.01% to 4.5% of sucrose;& 0.01% to 0.2% of L-arginine hydrochloride.
7. The composition for use of claim 1, wherein the composition comprises 0.01% to 2.5% of lectin protein, 0.005% to 1.7% of TRIS; 0.007% to 2.4% of sodium chloride (NaCl); 0.1 to 4% of Hydroxy ethyl cellulose (HEC); 3% to 10% of Sodium carboxy methyl cellulose (Sodium CMC); 4% to 60% of propylene glycol;& 8% to 40% of glycerin.