

11. The method of claim **10** for inducing in a subject an immune response against poxvirus, wherein the dosage amount is between 50 micrograms and 1 milligram.

12. An immunogenic composition comprising at least two purified recombinant monkeypox virus proteins or peptides selected from the group consisting of

- (i) a protein or peptide encoded by the open reading frame of the monkeypox ortholog M1R gene,
- (ii) a protein or peptide encoded by the open reading frame of an ortholog of the monkeypox ortholog M1R gene, which protein or peptide has 90% amino acid sequence identity to a protein or peptide encoded by the open reading frame of an ortholog of the monkeypox ortholog M1R gene;
- (iii) a protein or peptide encoded by the open reading frame of the monkeypox ortholog A29L gene,
- (iv) a protein or peptide encoded by the open reading frame of an ortholog of the monkeypox ortholog A29L gene, which protein or peptide has 90% amino acid sequence identity to a protein or peptide encoded by the open reading frame of an ortholog of the monkeypox ortholog A29L gene;
- (v) a protein or peptide encoded by the open reading frame of the monkeypox ortholog A35R gene,
- (vi) a protein or peptide encoded by the open reading frame of an ortholog of the monkeypox ortholog A35R gene,

which protein or peptide has 90% amino acid sequence identity to a protein or peptide encoded by the open reading frame of an ortholog of the monkeypox ortholog A35R gene;

(vii) a protein or peptide encoded by the open reading frame of the monkeypox ortholog B6R gene, and

(viii) a protein or peptide encoded by the open reading frame of an ortholog of the monkeypox ortholog B6R gene, which protein or peptide has 90% amino acid sequence identity to a protein or peptide encoded by the open reading frame of an ortholog of the monkeypox ortholog B6R gene;

wherein at least one protein or peptide is (i), (ii), (iii) or (iv) and at least one protein or peptide is (v), (vi), (vii) or (viii).

13. The immunogenic composition of claim **12** wherein the orthologs of (ii), (iv), (vi) and (viii) are derived from an orthopoxvirus selected from the group consisting of: camelpox virus, ectromelia virus, raccoon poxvirus, skunk poxvirus, Tatera poxvirus, Uasin Gishu virus, Volepox virus, variola virus, vaccinia virus, monkeypox virus, gerbilpox and cowpox virus, or genetically engineered versions thereof.

14-30. (canceled)

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