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Abstract

Potent immunogenicit[^] and lack of prolonged transgene expression have made Adenoviruses (Ad) attractive viral vectors for vaccine development. The[^] possess a stable virion, allowing inserts of large foreign genes, the[^] can infect man[^] di erent cell t[^]pes and the transferred information remains epichromosomal, thus avoiding the risk of insertional mutagenesis. Preclinical and clinical results conclusivel[^] showed superiorit[^] of Adenovirus-vectored genetic vaccines, based on the most common human Adenovirus serot[^]pe 5 (Ad5), for the induction of T cell response. However, pre-existing immunit[^] to Ad5 has shown to blunt signi, cantl[^] the immunological response induced b[^] Ad5-vectored vaccines in rodents, non-human primates and in humans. Chimpan: ee Adenoviruses (ChAd) do not cause pathological illness in humans and antibodies against them have low/no seroprevalence in the human x

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