Stem cell-like memory T cells: Role in Viral Infections and Meenakshi Sachdeva1, Shivangi Taneja2, Naresh Sachdeva2*
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Abstract
Stem cell-like memory T (TSCM) cells possess stem cell prop
multipotency and self-renewal and are being recognized
various human diseases. Advanced technologies such as m
flowcytometry and single cell sequencing have enabled t
molecular characterization. In case of chronic viral di
CD4+ TSCM cells, serve as major reservoirs of the laten
immune activation and functional exhaustion of effector
also possess the potential to replenish the pool of fun
to curtail the infection. More recently, these cells ar
important role in protective immunity following acute v
COVID-19 and might be amenable for therapeutics by ex v
, studies are also investigating their pathological rol
responses. However, there are several gaps in the under
TSCM cells in viral and autoimmune diseases to make the
targets. In this minireview, we have attempted an upd
Effector T cells, Memory T cells