## CELL-MEDIATED EFFECTOR RESPONSES

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	[11[[10]] [[1]]]
	Ceu-mediated Response:
	Cytotoxic T-cells induces Apoptosis in the target cells.
	It performs through two pathways-
	Fas Pathway (ii) Perforin/Granzyme Pathway
cij)	Perforin/ Granzyme Pathway
J	Perforin -> Pore-forming Protein
	Granzyme -> Protease
TWO Path-	- Activation of Procaspace 3
ways that L	- Activation of Bid (BCL-2 Family -> Pro-apoptotic proteins)
initiates	
Protectytic	Mode of Action:
Cleavage	* CTL (Cytotoxic T Lymphocytes) recognizes & binds to virus-infected cells
_ by Granzyme	* CTL Programs target for death (including DNA fragmentation)
В.	* CTL migrates to new target
	* Target ceu dies by apoptosis
	NK Cells - Effector Response:
	Killing by NK cells works similar to commented Pillon
	cells and conver cells/tumour cells.
	IFN-X & IFN-B are yellowed from virus-infected ceus soon
	after infection. These cytokines stimulate the NK ceus quickly
	leading to rise in NK cells Population. NK cells help contain
	the infection during the Period required for generation of CTLs.
NOTE:	Various non-specific (non-MHC dependent) Cytotoxic (ells (like MKC,
	Neutrophils easinophils, macrophages) can also kill target cells.
	They bind to fo region of Ab on target cells & release lytic enzymes,
	Perforin or TNF that damages target cell membrane a process Called Antibody-dependent cell-mediated cylotoxicity (ADCC).