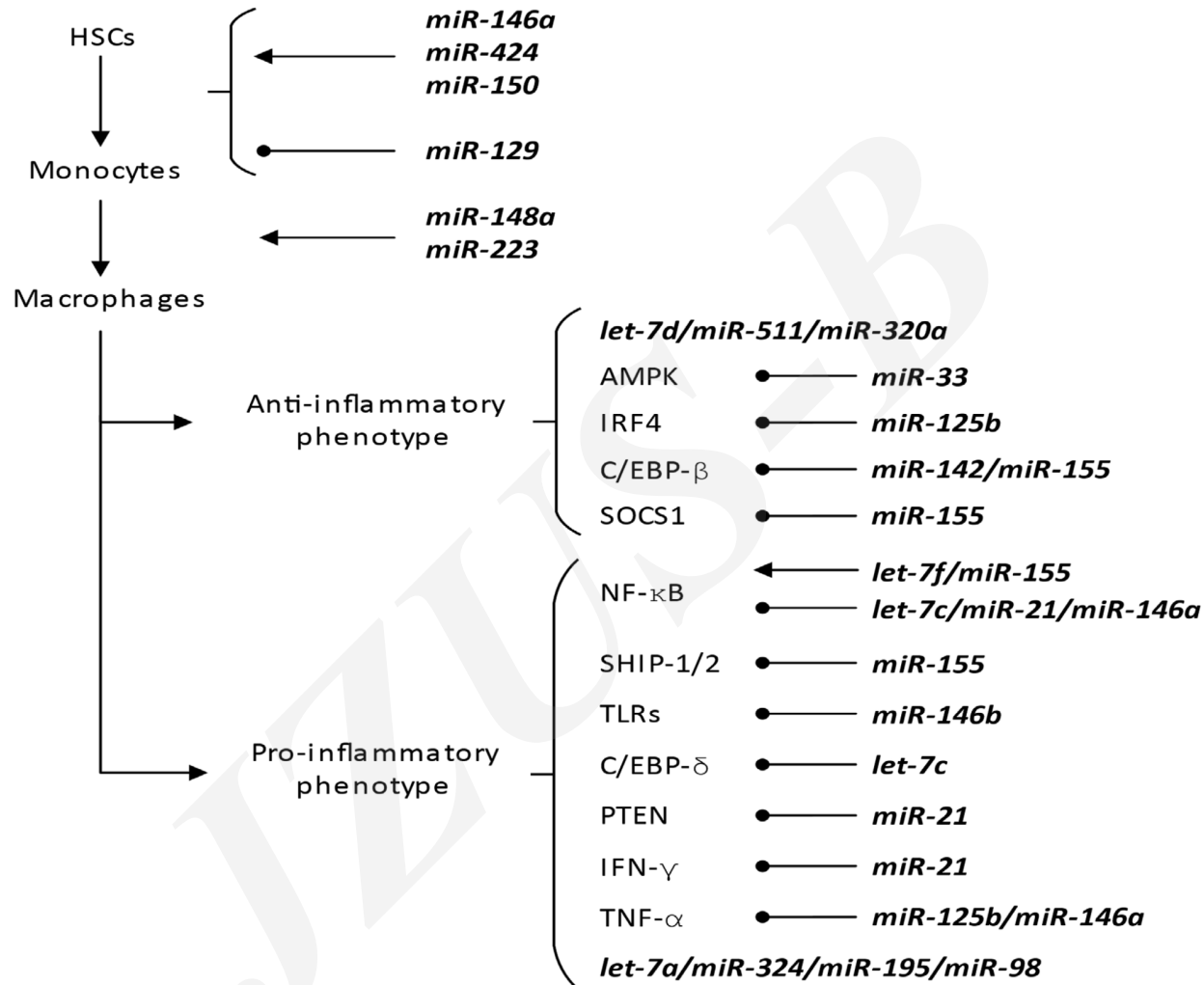


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MicroRNAs in tumor immunity: functional regulation in tumor- associated macrophages

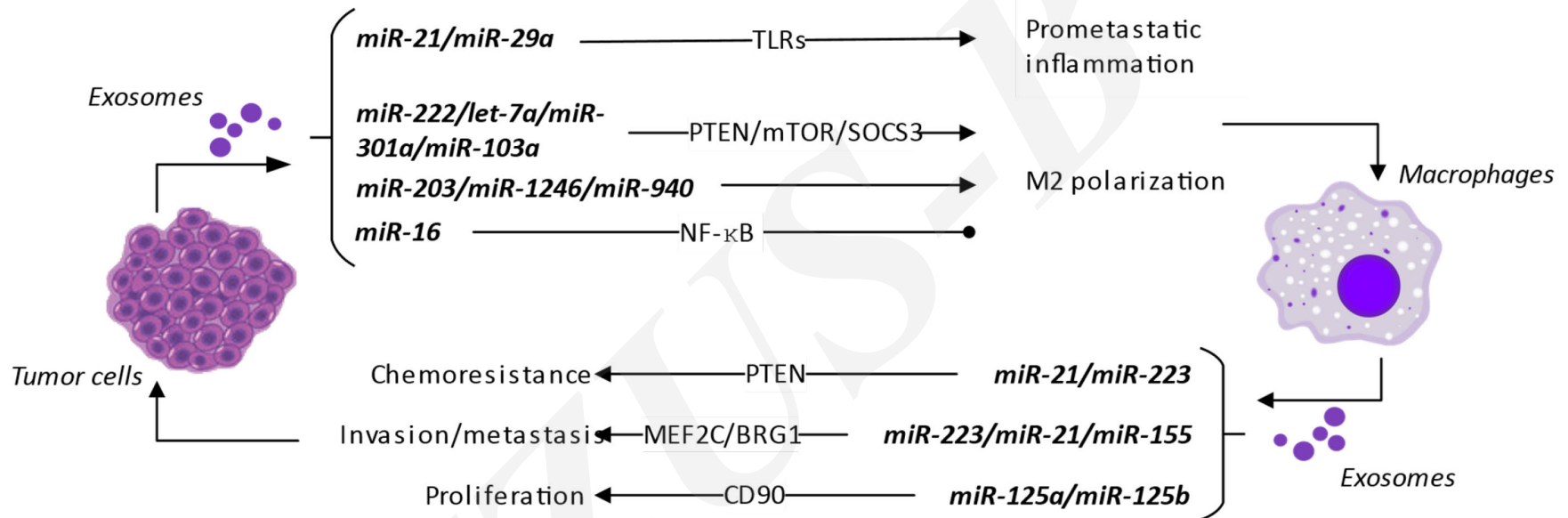
Key words: MicroRNA, Tumor microenvironment, Tumor-associated macrophage, Functional polarization

MicroRNAs involved in the differentiation and polarization of macrophages and TAMs.



The development of macrophages from hematopoietic stem cells (HSCs) involves successive steps regulated by different miRNAs, and large numbers of miRNAs are engaged in the polarization of macrophages between M1 and M2.

MicroRNAs involved in communication between macrophages and tumor cells.



MicroRNAs can be transported between tumor cells and macrophages via microvesicles and exosomes. This will affect the functions of macrophages and the phenotypes of tumor cells.