



Mast Cell-Mediated Cytotoxicity



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Mast cells are found as an element of the innate immune system, which has many different functions in the human body and has come to the forefront especially with its role in allergic diseases. It is not possible to think and continue life in a person without human mast cells. As an element of the immune system, it has been shown in many cancer studies that these cells accumulate in different tissues, especially in and around the tumor tissue. But at the same time, in the last decades, we have shown that human mast cells can have cytotoxic effects (anti-tumor activity) against human cancer cell lines such as malignant B-lymphoblastoid cell lines like Daudi / Raji cells in vitro. It is thought that these effects are mostly through the storage mediators e.g., chymase and tryptase. It is known that chymase and/or tryptase have antitumor effects apart from different effects after they are released into the environment by the human mast cell.

In this book, how mast cell-mediated cytotoxicity can occur and the place and importance of its effects in cancer treatment will be discussed. We look forward to receiving your nice contributions on this topic.

Submission deadline

2023-04-30

Keywords: Mast cell; Chymase; Tryptase; Cytotoxicity