

## Adenosine deaminase activity in the serum and malignant tumors of breast cancer: The assessment of isoenzyme ADA1 and ADA2 activities

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### Abstract

#### Objective:

The potential relationship between adenosine deaminase activity and cancer progression was examined by investigating the activity of total ADA and its isoenzymes in serum and simultaneously in the cancerous tissue of each patient with breast cancer.

#### Methods:

Total ADA and its isoenzymes were measured using the Giusti method. ADA2 activity was measured in the presence of a specific ADA1 inhibitor, EHNA.

#### Results:

Our results indicated that ADA2 and total ADA activities were higher in serum and Pmalignant tissues than those of corresponding controls (