

# CLINICAL SIGNIFICANCE OF TRANSFERRIN RECEPTORS

Essay

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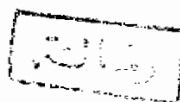
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## LIST OF ABBREVIATIONS

|                 |                                                               |
|-----------------|---------------------------------------------------------------|
| aa              | amino acid                                                    |
| AML             | Acute myeloid leukemia                                        |
| ALL             | Acute lymphocytic leukemia                                    |
| ATL             | Adult T-cell leukemia                                         |
| B.F.U.E.        | Burst forming unit-erythroid                                  |
| cDNA            | Complementary deoxyribonucleic acid                           |
| CFU-GEMM        | Colony forming unit granulocyte erythroid monocyte macrophage |
| CFU-GM          | Colony forming unit granulocyte erythroid monocyte            |
| CLL             | Chronic lymphocytic leukemia                                  |
| CSF             | Colony stimulating factor                                     |
| ELISA           | Enzyme-linked immunosorbent assay                             |
| Fe <sup>3</sup> | Ferric ion                                                    |
| Fe <sup>2</sup> | ferrous ion                                                   |
| Kd              | Kilodalton                                                    |
| Kg              | Kilogram                                                      |
| h               | Hour                                                          |
| HTL-VI          | Human T lymphotropic virus I                                  |
| Ig              | Immunoglobulin                                                |
| IgG             | Immunoglobulin G                                              |
| IL-2            | Interleukin-2                                                 |
| L               | Liter                                                         |
| MAbs            | Monoclonal antibodies                                         |
| MCV             | Mean corpuscular volume                                       |
| MW              | Molecular weight                                              |
| mg              | Milligram                                                     |
| ml              | Milliliter                                                    |
| μl              | Microliter                                                    |
| min             | Minute                                                        |
| mRNA            | Messenger ribonucleic acid                                    |
| NK              | Natural killer cells                                          |



|         |                             |
|---------|-----------------------------|
| PBS     | Phosphate buffer saline     |
| pH      | Hydrogen ion concentration  |
| PTR     | Plasma transferrin receptor |
| RES     | Reticulo-endothelial system |
| RIA     | Radioimmunoassay            |
| SE      | Standard error of mean      |
| S phase | Synthetic phase             |
| Tf      | Transferrin                 |
| Tf-Fe   | Transferrin iron complex    |
| Tf-Ga   | Transferrin Gallium         |
| TfR (s) | Transferrin receptor (s)    |
| TIBC    | Total iron binding capacity |
| sTfR    | Serum transferrin receptor  |
| U       | Unit                        |
| $\beta$ | Beta                        |

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**INTRODUCTION  
AND  
AIM OF THE WORK**

