

## Unit 6

Instructions: Use the following answers for the questions below:

- A. requires cell- cell interaction
- B. occurs without cell-cell interaction requiring cytokines
- C. requires stimulation by antigen in solution
- D. requires cell-cell interaction, cytokines and stimulation by antigen

81. B cell response to T cell independent antigen

82. B cell response to a T-dependent antigen

83. T cell response to antigen

84. TH0 cell differentiation to TH2 cells

85. Immunoglobulin class switching

Instructions: Use the following answers for the questions below:

- A. Selectins
- B. L-Selectin
- C. P- Selectin
- D. Addressins
- E. MadCAM-1

86. Important for leukocyte homing, may be on the leukocyte or on blood vessels

87. Molecule on leukocytes which binds to Sialyl Lewis X of addressin

88. Mucin-like molecule on blood vessels that binds to a molecule on leukocytes

89. Lectin on vascular endothelium that binds white blood cells

90. Directs lymphocyte migration to the MALT



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Unit 6

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Instructions: Use the following answers for the questions below:

- A. LFA-1
- B. ICAMs
- C. DC-SIGN
- D. all of the above

91. Adhesion molecules

92. Is on the dendritic cell and binds to ICAM-3 on the T-cell

93. When the TCR of a T cell recognizes antigen on an antigen presenting cell, a conformational shift occurs in this molecule.

94. Intracellular adhesion molecules which bind LFA-1

Instructions: Use the following answers for the questions below:

- A. B7.1 and B7.2
- B. CD28
- C. CD40
- D. CD40 and CD40L

95. binding of the co-stimulatory molecules to this increases T cell expansion

96. Co-stimulatory molecule(s) which bind(s) CD28

97. Involved in sustaining a T cell response

98. CTLA-4 binds this or these better than CD28 does, and this causes inhibition rather than stimulation

99. The T cell- antigen presenting cell dialogue

100. In the TNF family of molecules



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Instructions: Use the following answers for the questions below:

- A. Memory B cell
- B. Memory T cell
- C. naïve B cell
- D. naïve T cell
- E. A and B

101. Increased levels of adhesion molecules

102. extensive somatic mutation

103. CD45RO



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