

ペプチドのすべての部位について他のアミノ酸に代えた変異ペプチドライブラリーを作り、TCRの交差反応性について解析した。その結果、VY8特異的TCRは、アミノ酸変化に対して、各TCRクローン間で良く似た特徴を共有していた。一方、RY11特異的TCRでは、TCRごとに特徴的な交差反応性パターンを示した(図4)。

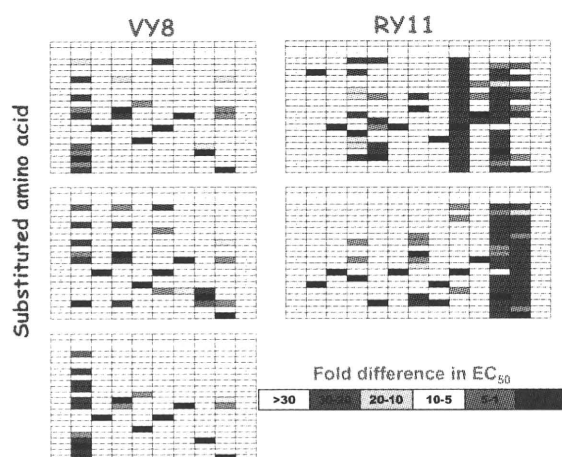


図4: TCRの交差反応性

D. 考察

HLA-B35拘束性のHIV特異的CTL応答を例として、抗原特異的CTL集団が経時的に変遷すること、CTLの抗ウイルス機能や抗原変異に対する交差反応性が一様ではないことを明らかにした。こうしたCTLの多様性が、HIV感染症の病態に与える影響については、明らかでない面も多く、さらなる解析が必要である。特に、ここで観察されたHIV特異的CTLの性質が、エイズ病態の進行にとって原因となるのか、単なる結果であるかなど、重要な問題が残されている。

E. 結論

本研究では、さまざまな病態にある多数のHIV感染者の検体を用いて、HIV特異的CTLの抗原特異性、抗ウイルス機能、抗原変異に対する交差反応性を解析することにより、HIV特異的CTLが機能的に多様な集団で構成されていることを明らかとした。これらの結果は、T細胞免疫系とエイズ病態進行との関連を明らかにしていくうえで重要

なだけでなく、ワクチン等による抗ウイルス免疫応答の誘導を考えるうえで貴重な情報となると期待される。

F. 健康危険情報

なし

G. 研究発表

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H. 知的財産権の出願・登録状況

1. 特許取得
なし
2. 実用新案登録
なし
3. その他
なし

Ⅲ. 研究成果の刊行に関する一覧表

研究成果の刊行に関する一覧表

書籍

著者氏名	論文タイトル名	書籍全体の編集者名	書籍名	出版社名	出版地	出版年	ページ
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