| | Figure Content | page |
|-----------|--|------|
| Figure 1 | Schematic drawing of molecular arrangement in Hp phenotypes | 46 |
| Figure 2 | Determination of the chain specificity of mAb | 47 |
| Figure 3 | Specificity of conformation-dependent mAb 3B7 | 48 |
| Figure 4 | Typical example for conformation-dependent mAb binding to Hp phenotypes using an ELISA | 49 |
| Figure 5 | Specificity and characterization of α -chain specific mAb (3H8) | 50 |
| Figure 6 | Competitive ELISA among Hp 1-1, 2-1, and 2-2 using α-chain specific mAb 3H8 | 51 |
| Figure 7 | Typical examples for mAb which immunoreactivity was inhibited by the presence of hemoglobin | 52 |
| Figure 8 | Determination of plasma Hp concentrations in human subjects of various phenotypes using α-chain mAb (3H8) | 53 |
| Figure 9 | Sequence homology between human and mouse Hp α chain and delineation of an epitope recognized by α -chain specific mAb (3H8) | 54 |
| Figure 10 | A, Expression and purification of recombinant Hp $\alpha 1$ and $\alpha 2$ subunits and their immunoreactivity to α -chain specific mAb 3H8; B , Effect of Tyr-32 substitution on immunoreactivity | 55 |
| Figure 11 | Circular dichroic spectra of recombinant α1 and α2 chains and native Hp 2-1 | 56 |