**Table 1.   Characterizations of screened monoclonal antibodies produced**

| Immunization with | No. of hybridomas | No. of Hp specific clones | [a]Production efficiency | No. of $\alpha$-chain specific clones | No. of $\beta$-chain specific clones | No. of conformation-dependent clones |
|---|---|---|---|---|---|---|
| Hp 2-1 | 165 | 15 | 9.1% | 5 [b](2) | 6 [b](2) | 4 [b](1) |
| Hp 2-2 | 421 | 50 | 11.9% | 3 [b](2) | 2 [b](0) | 45 [b](18) |

[a]Production efficiency: (No. of Hp specific clones/ No. of hybridomas)100.

[b]Number in parenthesis represents clones which immunoreactivity to Hp was interfered by hemoglobin.

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**Table 2.  Typical features of some Hp mAb characterized**

| mAb | Specificity | Structural Dependency | [b]Immunoreactivity blocked by hemoglobin | Immunogen of Hp type |
|---|---|---|---|---|
| 3H8 | α | Sequence | No | 2-1 |
| 2A3 | α | Sequence | Yes | 2-1 |
| 8B1 | β | Sequence | Yes | 2-1 |
| 3B7 | Hp 2-1, 2-2 | [a]conformation | No | 2-1 |
| 4H11 | Hp 2-1, 2-2 | [a]conformation | Yes | 2-2 |
| 4E11 | Hp 2-1 = 2-2 > 1-1 | [a]conformation | No | 2-2 |
| 4G1 | Hp 2-1 = 2-2 > 1-1 | [a]conformation | No | 2-2 |
| 1H5 | Hp 2-1 = 2-2 > 1-1 | [a]conformation | Yes | 2-1 |
| 5D1 | Hp 2-1 = 2-2 > 1-1 | [a]conformation | Yes | 2-2 |
| 4D2 | Hp 2-1 = 2-2 > 1-1 | [a]conformation | Yes | 2-2 |

[a]Conformational dependent mAb were defined by reduced SDS-Western blot showing no immunoreactivity.

[b]Results are shown in Fig. 7.