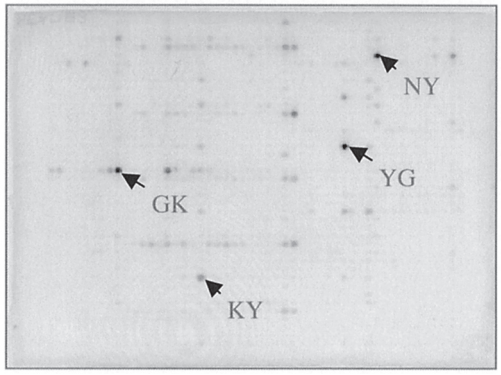

FIGURE 6. A dual-positional-scanning peptide library experiment (corresponds to Tab.1, entry 3) with monoclonal antibody 1D3. Signal development was carried out with an AP-conjugated secondary antibody and the BCIP/MTT reagents. Result of this experiment allows the determination of the epitope sequence a priori from the overlapping dipeptide signals (Frank et al. 1995). The asparagine (N5) and glutamic acid (E6) in the natural epitope do not contribute significantly to specific recognition, as they can be replaced by almost any other residue (data from the replacement analysis not shown).