Monoclonal Mouse
Anti-Human Immunodeficiency Virus, p24
Clone Kal-1
Code M0857

Analyte specific reagent. Analytical and performance characteristics are not established.

Summary and explanation
The human immunodeficiency virus type 1 (HIV-1) was first identified in 1983 (1). HIV-1 is a retrovirus characterized by genomic RNA that is transcribed into DNA by reverse transcriptase upon entering the cytoplasm and decapsidation. The viral DNA inserts itself into the host chromosomes as a viral progeny (2). p24 is a protein of 231 amino acid residues. It is initially expressed as part of the p55 (gag) polyprotein.

In Western blotting of purified disintegrated viruses, the antibody labels a band corresponding to the viral core protein p24 and a band corresponding to the precursor protein P15, from which the viral structural proteins p17, p24, p7 and p9 are derived (3).

Immunogen
Purified HIV type 1, disrupted with 0.5% NP40 (3).

Reagent provided
Monoclonal mouse antibody provided in liquid form as cell culture supernatant dialysed against 0.05 mol/L Tris/HCl, pH 7.2, and containing 15 mmol/L NaN₃.
Clone: Kal-1, also known as H-11 (3). Isotype: IgG1, kappa.
Mouse IgG concentration: See label on vial.

Precautions
1. Analyte specific reagent. Analytical and performance characteristics are not established.
2. For professional users.
3. This product contains sodium azide (NaN₃), a chemical highly toxic in pure form. At product concentrations, though not classified as hazardous, sodium azide may react with lead and copper plumbing to form highly explosive build-ups of metal azides. Upon disposal, flush with large volumes of water to prevent metal azide build-up in plumbing.
4. As with any product derived from biological sources, proper handling procedures should be used.
5. Wear appropriate Personal Protective Equipment to avoid contact with eyes and skin.
6. Unused solution should be disposed of according to local, State and Federal regulations.

Storage
Store at 2-8 °C. Do not use after expiration date stamped on vial. If reagents are stored under any conditions other than those specified, the conditions must be verified by the user. There are no obvious signs to indicate instability of this product. If unexpected staining is observed which cannot be explained by variations in laboratory procedures and a problem with the reagent is suspected, contact Dako Technical Support.

References

Explanation of symbols

<table>
<thead>
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