

## Product Datasheet

### GAG Antibody (Biotin) (orb1239708)

|                      |                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------|
| Catalog Number       | orb1239708                                                                                          |
| Category             | Antibodies                                                                                          |
| Description          | GAG Antibody (Biotin)                                                                               |
| Target               | GAG                                                                                                 |
| Clonality            | Monoclonal                                                                                          |
| Species/Host         | Mouse                                                                                               |
| Isotype              | IgG1                                                                                                |
| Conjugation          | Biotin                                                                                              |
| Reactivity           | Virus                                                                                               |
| Form/Appearance      | Liquid                                                                                              |
| Concentration        | 1 mg/mL                                                                                             |
| Buffer/Preservatives | HIV-1 p24 Monoclonal Antibody is supplied in PBS containing 1% rAlbumin and 0.02% sodium azide.     |
| Purification         | HIV-1 p24 Monoclonal Antibody is Protein A purified.                                                |
| Immunogen            | Mouse monoclonal HIV-1 p24 antibody was raised against a recombinant full-length HIV-1 p24 protein. |
| UniProt ID           | <b>P04591</b>                                                                                       |
| MW                   | Predicted: 24, 41, 55 kDa                                                                           |
| Tested applications  | ELISA, WB                                                                                           |

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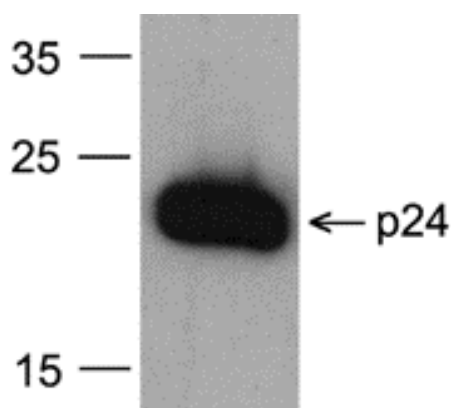
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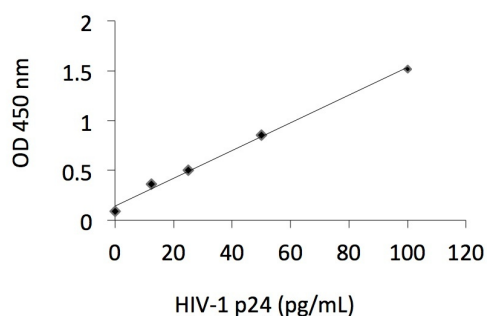
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|                          |                                                                                                                                         |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Application notes</b> | orb1239708 can be used for detection of p24 by Western blot or ELISA at 0.2 – 0.5µg/mL.                                                 |
| <b>Antibody Type</b>     | Primary Antibody                                                                                                                        |
| <b>Clone Number</b>      | 8G9                                                                                                                                     |
| <b>Modifications</b>     | None                                                                                                                                    |
| <b>Storage</b>           | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| <b>Note</b>              | For research use only                                                                                                                   |
| <b>NCBI</b>              | <b>AAB50258</b>                                                                                                                         |



Western blot analysis of 20 ng of recombinant HIV-1 p24 protein with orb1239708 at 0.2 µg/mL.

**Typical HIV-1 p24 ELISA Standard Curve**



Sandwich ELISA analysis of recombinant p24 proteins using capture antibody [7F4] and biotin labeled detection antibody [8G9]. (Assay sensitivity = 2.5 pg of recombinant p24 protein).

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