

## Product datasheet for **BM3335**

### HIV-2 gp36 Mouse Monoclonal Antibody [Clone ID: BDI411]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	BDI411
Applications:	ELISA, IP, WB
Recommended Dilution:	Suitable for use in Western blot (1/1,000), ELISA (1/500) and Immunoprecipitation.
Reactivity:	Human Immunodeficiency Virus 2
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Recombinant gp36, amino acids 390-702 (Art. No. BIN07...)
Specificity:	This antibody is specific for HIV-2 gp36 antigen.
Formulation:	1X PBS, pH 7.2 containing 0.01% Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Background:**

HIV2 infections at present, are predominantly found in west Africa where it is the dominant form of HIV. Both HIV1 and HIV2 have the same modes of transmission and are associated with similar opportunistic infections and AIDS. In persons infected with HIV2, immunodeficiency seems to develop more slowly and to be milder, but as the disease advances, HIV2 infectiousness seems to increase. Little is known about the best approach to the clinical treatment and care of patients infected with HIV2. Some drugs used to treat HIV1 are ineffective.

HIV1 and HIV2 have similar gag (viral core) and pol (polymerase) regions, they have relatively dissimilar env (envelope) regions. Owing to this lack of homology in the envelope region, there is little serologic cross-reactivity of the antibodies directed against the envelope antigens of both HIV1 and HIV2.

The env gp36 ectodomain is highly conserved and elicits a type-specific antibody response. Hence, most licensed diagnostic assays incorporate gp36-derived antigens to detect HIV2 specific antibodies. It is becoming important to differentiate between single infection with either HIV1 or HIV2 and dual infection.

**Synonyms:**

HIV2, Human immunodeficiency virus type 2