

## Product datasheet

# Anti-Vitamin D Binding protein antibody [2G2] ab23480

### 3 References

#### Overview

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<b>Product name</b>	Anti-Vitamin D Binding protein antibody [2G2]
<b>Description</b>	Mouse monoclonal [2G2] to Vitamin D Binding protein
<b>Host species</b>	Mouse
<b>Specificity</b>	ab23480 is specific for Gc-globulin (vitamin D binding protein).
<b>Tested applications</b>	<b>Suitable for:</b> ELISA, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length native Gc-globulin isolated from human plasma
<b>Positive control</b>	Human plasma can be used as a positive control. The concentration of Gc-globulin in human plasma is approximately 400 µg/ml.

#### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituents: 0.0268% PBS, 2.9% Sodium chloride
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	2G2
<b>Myeloma</b>	x63-Ag8.653
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

#### Applications

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##### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab23480 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		1/20000.
WB		Use at an assay dependent concentration. Detects a band of approximately 50 kDa. (Note: In Western blotting after SDS-PAGE, HYB 249-01 reacts with Gc-globulin in both reduced as well as unreduced forms.)

## Target

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<b>Function</b>	Multifunctional protein found in plasma, ascitic fluid, cerebrospinal fluid, and urine and on the surface of many cell types. In plasma, it carries the vitamin D sterols and prevents polymerization of actin by binding its monomers. DBP associates with membrane-bound immunoglobulin on the surface of B-lymphocytes and with IgG Fc receptor on the membranes of T-lymphocytes.
<b>Sequence similarities</b>	Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains.
<b>Cellular localization</b>	Secreted.

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