

Product datasheet

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

2 References

Overview

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

Properties

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

Applications

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 dilution. 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

Function	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.
Sequence similarities	Belongs to the ALB/AFP/VDB family. Contains 3 albumin domains.
Cellular localization	Secreted.

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