

Product Datasheet

Beta-2-Microglobulin Antibody Biotin Conjugated (orb344771)

Catalog Number	orb344771
Description	Beta-2-Microglobulin antibody (Biotin)
Species/Host	Rabbit
Reactivity	Human
Conjugation	Biotin
Tested Applications	DOT, ELISA, IHC, WB
Immunogen	Anti-Beta-2-Microglobulin Antibody was produced by repeated immunizations with beta-2-Microglobulin protein isolated from human urine.
Preservatives	0.01% (w/v) Sodium Azide
Form/Appearance	Liquid (sterile filtered)
Concentration	1.0 mg/mL
Storage	Store vial at -20° C or below prior to opening. This vial contains a relatively low volume of reagent (25 µL). To minimize loss of volume dilute 1:10 by adding 225 µL of the buffer stated above directly to the vial. Recap, mix thoroughly and briefly centrifuge to collect the volume at the bottom of the vial. Use this intermediate dilution when calculating final dilutions as recommended below. Store the vial at -20°C or below after dilution. Avoid cycles of freezing and thawing.
Note	For research use only
Application notes	Anti-beta-2-Microglobulin Biotin antibody has been tested by dot blot and is suitable for western blotting to detect a single band of the expected apparent molecular weight and for ELISA. Researchers should determine optimal titers for applications that are not stated below.

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Isotype	IgG
Clonality	Polyclonal
Antibody Type	Primary Antibody
Purity	Anti-beta-2-Microglobulin antibody is an IgG fraction antibody purified from monospecific antiserum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Biotin, anti-Rabbit Serum as well as purified and partially purified b2-Microglobulin [Human Urine]. Cross reactivity against b2-Microglobulin from other sources may occur but has not been specifically determined.
Uniprot ID	P61769
NCBI	NP_004039.1
Dilution Range	ELISA: 1:2,000 - 1:10,000, IHC: 1:500 - 1:3,000, WB: 1:1,000 - 1:5,000
Expiration Date	12 months from date of receipt.



Dot Blot results of Rabbit Anti-Beta 2 Microglobulin Biotin Conjugated. Antigen: Beta-2-Microglobulin. Blot loaded at 3 fold dilution: 1. 100 ng, 2. 33.3 ng, 3. 11.1 ng, 4. 3.70 ng, 5. 1.23 ng. Blocking: orb348637 Buffer for 30 minutes at RT. Primary Antibody: Rabbit Anti-Beta-2-Microglobulin Biotin 10 µg/ml for 1hr at RT. Secondary Antibody: Streptavidin-HRP (p/n orb348767) at 1:40000 for 30 min at RT.

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