OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM20209PU-N

Biotin Mouse Monoclonal Antibody [Clone ID: 2H2]

Product data:

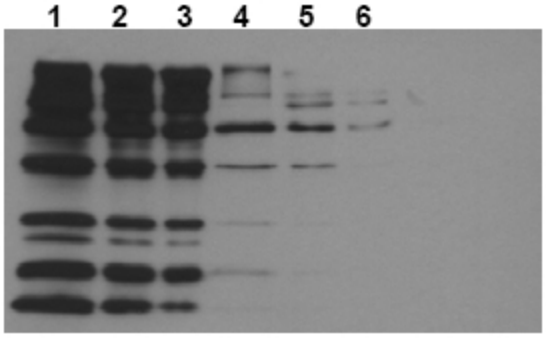
Product Type:	Primary Antibodies
Clone Name:	2H2
Applications:	ELISA, IP, WB
Recommended Dilution:	**ELISA:** Use at 0.05 µg/ml **Immunoblotting:** 0.5 µg/ml for HRPO/ECL detection. *Recommended blocking buffer:* Casein/Tween 20 based blocking and blot incubation buffer. **Immunoprecipitation:** Use at 1 µg/ml.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Biotin conjugated to hemocyanin.
Specificity:	This antibody interacts with high affinity with biotinylated proteins.
Formulation:	1 ml PBS / 0.09% Sodium Azide/PEG and Sucrose State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1 ml H2O (15 min, RT).
Purification:	Subsequent Ultrafiltration and Size Exclusion Chromatography
Conjugation:	Unconjugated
Storage:	For long-term storage, freeze lyophilizate upon arrival (-20°C). Upon reconstitution, aliquote and freeze in liquid nitrogen. reconstituted antibody can be stored frozen at -80°C up to 1 year. Thaw aliquots at 37°C. Thawed aliquots may be stored at 2-8°C up to 3 months. Avoid repeated freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.

View online »

Background: Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da.

Synonyms: Vitamin B7, Vitamin H

Product images:



Antibody Sensitivity: Biotinylated Molecular Weight Marker (Biorad) was separated by SDS-PAGE and transferred to PVDF membranes. Immunoblots were probed with Biotin antibody AM20209PU-N (Clone 2H2) at 0.5 g/ml for 1h at RT and developed by ECL (exp. time: