

## Product Datasheet

### Anti-beta-Tubulin Purified (orb44542)

<b>Description</b>	Mouse Monoclonal to beta tubulin.
<b>Reactivity</b>	Human, Mouse, Plant, Porcine
<b>Conjugation</b>	Unconjugated
<b>Tested Applications</b>	ICC, IHC-Fr, WB
<b>Immunogen</b>	beta-tubulin from porcine brain
<b>Target</b>	beta-Tubulin
<b>Preservatives</b>	Tris buffered saline (TBS), pH 8.0, 15 mM sodium azide
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Note</b>	For research use only
<b>Application notes</b>	Western blotting: Recommended dilution: 1-2 µg/ml.
<b>Isotype</b>	Mouse IgM
<b>Clonality</b>	Monoclonal
<b>Clone Number</b>	TU-13
<b>Purity</b>	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).
<b>Uniprot ID</b>	<b>Q9H4B7</b>
<b>Entrez</b>	<b>81027</b>
<b>Dilution Range</b>	Western blotting: Recommended dilution: 1-2 µg/ml.

**Biorbyt Ltd.**

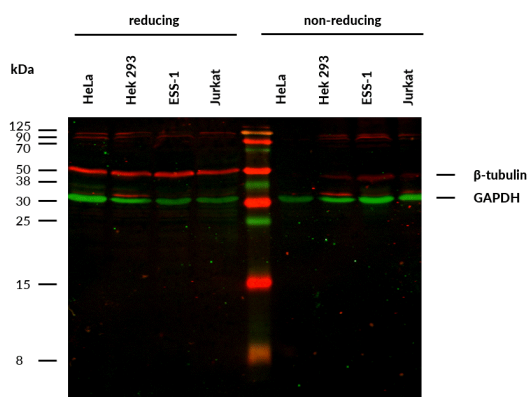
7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

**Biorbyt LLC.**

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+1(415)9065211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)6518558)

**Expiration Date**

12 months from date of receipt.



Anti-beta-Tubulin Purified (TU-13) works in WB application under reducing conditions. Western blotting analysis was performed on whole cell extracts (RIPA lysis buffer) of HeLa, HEK 293, ESS-1 and Jurkat cell lines mixed and heated (100°C, 5 min) with reducing (2-mercaptoethanol) or non-reducing SDS-loading buffer. Samples were resolved using 12% Tris-glycine SDS gel electrophoresis. Nitrocellulose membrane blot was probed simultaneously with mouse IgM monoclonal antibody TU-13 (1 µg/ml) and mouse IgG1 anti-GAPDH monoclonal antibody FF26A (1 µg/ml) used as the loading control. Subclass-specific secondary antibodies IRDye 680RD Goat-anti-Mouse IgM (red) and IRDye 800CW Goat-anti-Mouse IgG (green) were used for multiplex fluorescent Western blot detection. Beta-tubulin was detected at ~50 kDa in all tested cell lines.

**Biorbyt Ltd.**

7 Signet Court, Swann's Road,  
Cambridge, CB5 8LA, United Kingdom  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+44 \(0\) 1223 859-353](tel:+44201223859353) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)

**Biorbyt LLC.**

68 TW Alexander Drive,  
Durham, NC, 27713, United States  
Email: [info@biorbyt.com](mailto:info@biorbyt.com), [support@biorbyt.com](mailto:support@biorbyt.com)  
Phone: [+1 \(415\) 906-5211](tel:+14159065211) | Fax: [+1 \(415\) 651-8558](tel:+14156518558)