

# Product Datasheet

## Glypican 3 Antibody (GPC3/863) [CoraFluor™ 1] NBP2-47762CL1

Unit Size: 0.1 ml

Store at 4C in the dark. Do not freeze.

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**NBP2-47762CL1**

Glypican 3 Antibody (GPC3/863) [CoraFluor™ 1]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	GPC3/863
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG1 Kappa
<b>Conjugate</b>	CoraFluor 1
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	PBS
<b>Product Description</b>	
<b>Description</b>	<p>CoraFluor(TM) 1 is a high performance terbium-based TR-FRET (Time-Resolved Fluorescence Resonance Energy Transfer) or TRF (Time-Resolved Fluorescence) donor for high throughput assay development. CoraFluor(TM) 1 absorbs UV light at approximately 340 nm, and emits at approximately 490 nm, 545 nm, 585 nm and 620 nm. It is compatible with common acceptor dyes that absorb at the emission wavelengths of CoraFluor(TM) 1. CoraFluor(TM) 1 can be used for the development of robust and scalable TR-FRET binding assays such as target engagement, ternary complex, protein-protein interaction and protein quantification assays.</p> <p><a href="#">CoraFluor(TM) 1, amine reactive</a></p> <p><a href="#">CoraFluor(TM) 1, thiol reactive</a></p> <p>For more information, please see our <a href="#">CoraFluor(TM) TR-FRET technology flyer</a>.</p>
<b>Host</b>	Mouse
<b>Gene ID</b>	2719
<b>Gene Symbol</b>	GPC3
<b>Species</b>	Human, Rat
<b>Marker</b>	Hepatocellular Carcinoma Marker
<b>Specificity/Sensitivity</b>	Glypican-3 (GPC3) is a glycosylphosphatidyl inositol-anchored membrane protein, which may also be found in a secreted form. Anti-GPC3 has been identified as a useful tumor marker for the diagnosis of hepatocellular carcinoma (HCC), hepatoblastoma, melanoma, testicular germ cell tumors, and Wilms tumor and hepatoblastoma, with a low or undetectable expression in normal adjacent tissue. In patients with thyroid cancer, expression of GPC3 is dramatically enhanced in certain types of cancers: 100% in follicular carcinoma and 70% in papillary carcinoma. Expression of GPC3 in follicular carcinoma is significantly higher than that of follicular adenoma. In contrast, GPC3 is not expressed in anaplastic carcinoma.
<b>Immunogen</b>	Recombinant full-length human Glypican 3 protein (Uniprot: P51654)
<b>Notes</b>	CoraFluor (TM) is a trademark of Bio-Techne Corp. Sold for research purposes only under agreement from Massachusetts General Hospital. US patent 2022/0025254



<b>Product Application Details</b>	
<b>Applications</b>	Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, CyTOF-ready, Immunofluorescence
<b>Recommended Dilutions</b>	Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-47762CL1**

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NBP1-85226PEP	Glypican 3 Recombinant Protein Antigen
233-FB-025	FGF basic/FGF2/bFGF [Unconjugated]
2119-GP-050/CF	Glypican 3 [Unconjugated]
MAB1368	alpha-Fetoprotein/AFP Antibody (189502) [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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