

# Product Datasheet

## Glypican 5 Antibody (297716)

### MAB2607-SP

Unit Size: 25 ug

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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**MAB2607-SP**

Glypican 5 Antibody (297716)

Product Information	
Unit Size	25 ug
Concentration	LYOPH mg/ml
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 6 months, -20 to -70 °C under sterile conditions after reconstitution.
Clonality	Monoclonal
Clone	297716
Preservative	No Preservative
Reconstitution Instructions	Reconstitute at 0.5 mg/mL in sterile PBS.
Isotype	IgG2a
Purity	Protein A or G purified from hybridoma culture supernatant
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. *Small pack size (SP) is supplied as a 0.2 µm filtered solution in PBS.

Product Description	
Host	Mouse
Gene ID	2262
Gene Symbol	GPC5
Species	Human, Mouse
Specificity/Sensitivity	Detects human and mouse Glypican 5 in direct ELISAs and Western blots. In direct ELISAs and Western blots, 100% cross-reactivity with recombinant mouse Glypican 5 is observed and no cross-reactivity with recombinant human Glypican 2, 3 or 6 is observed.
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Glypican 5 Glu25-Thr554 Accession # P78333
Notes	This product is produced by and ships from R&D Systems, Inc., a Bio-Techne brand.
Endotoxin Note	<0.10 EU per 1 µg of the antibody by the LAL method.

Product Application Details	
Applications	Western Blot, Flow Cytometry, CyTOF-ready
Recommended Dilutions	Western Blot 1 ug/mL, Flow Cytometry 2.5 ug/10 <sup>6</sup> cells, CyTOF-ready

**Publications**

Witt , Rochelle, Hecht , Marie-Ly, Pazyra-Murphy , Maria F, Cohen , Samuel M, Noti , Christia, van Kuppevelt , Toin H, Fuller , Maria, Chan , Jennifer, Hopwood , John J, Seeberger , Peter H, Segal , Rosalind Heparan sulfate proteoglycans containing a glypican 5 core and 2-O-sulfo-iduronic acid function as Sonic Hedgehog co-receptors to promote proliferation. J Biol Chem, 2013;288(36):26275-88. 2013 [PMID: 23867465] (IHC, , Mouse)

Williamson D, Selfe J, Lu YJ, Pritchard-Jones K, Murai K, Jones P, Workman P, Shipley J Role for amplification and expression of glypican-5 in rhabdomyosarcoma. Cancer Res., 2007;67(1):57-65. 2007 [PMID: 17210683] (WB, , Human)





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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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