

Anti-MCSP (9.2.27) Antibody, Paramagnetic

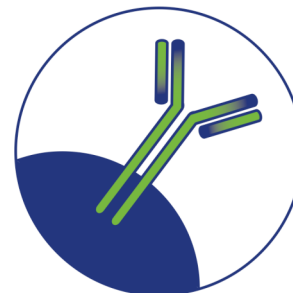
Model # R2107

WAVESENSE

Intended Use:

FOR RESEARCH USE ONLY. Not for human or animal therapeutic or diagnostic use.

This product is intended for antigen specific paramagnetic labeling of cells expressing MCSP in biological specimens and culture.



Description:

Anti-MCSP (9.2.27) Antibody, Paramagnetic are 4.5 micron, uniform diameter, paramagnetic particles coated with mouse monoclonal Anti-MCSP (9.2.27) antibody. The 9.2.27 antibody was generated against a human M14 melanoma cell extract of human origin. The mouse monoclonal antibody 9.2.27 recognizes a 25KDa glycoprotein-chondroitin sulfate proteoglycan complex (Melanoma-associated Chondroitin Sulfate Proteoglycan, MCSP). This glycoprotein complex is expressed on the cell membrane surface of >90% of human melanoma tissues and cultured cells. Cell capture is achieved by paramagnetic labeling with 9.2.27 antibody of cells expressing MCSP in biological specimens and culture.

Supplied As:

Catalog #	Contains
R2107-1	1 mL

Ready to use solution of Anti-MCSP (9.2.27) coupled paramagnetic particles in 1 mL of 0.02 M Phosphate Buffer pH 7.4, 0.15 M NaCl, 1.0% BSA, 0.09% Sodium Azide.

Storage:

This product is stable when stored at 4 – 8°C. DO NOT FREEZE. DO NOT STORE AT ROOM TEMPERATURE. Refer to product label for expiration date.

Other Information:

Resuspend particles prior to each use by inversion or gentle pulse vortexing several times. Avoid causing foam when resuspending particles. Generally, 25 µL to 100 µL of antibody will be sufficient to capture cells in specimen volumes up to 5 mL.

Material Safety Data:

When handling this material Standard Laboratory Practices should be followed. This material's chemical, physical and toxicological properties have not been thoroughly investigated. Contains Sodium Azide as a preservative. Although, the quantity of Sodium Azide (0.09%) is very small, measures should be taken to avoid skin and eye contact, inhalation and ingestion. Sodium Azide (NaN₃) may react with lead and copper plumbing to form potentially explosive metal oxides. Upon disposal, flush with a large volume of water to prevent azide build-up.

References:

1. Racilla, E., et al. 1998. Detection and Characterization of Carcinoma Cells in the Blood. Proc. Nat. Acad. Sci. USA. 95: 4589-4594.
2. Pluschke, S., et al. 1996. Molecular Cloning of a Melanoma-Associated Chondroitin Sulfate Proteoglycan. Proc. Nat. Acad. Sci. USA. 93: 9710-9715.
3. Morgan, A.C., et al. 1981. Production and Characterization of Monoclonal Antibody to a Melanoma Specific Glycoprotein. Hybridoma 1(1): 27-36.
4. Faye, R.S., et al. 2004. Immunomagnetic Detection and Clinical Significance of Micrometastatic Tumor Cells in Malignant Melanoma Patients. Clin. Cancer Res. 10:1-6.



15339 Barranca Pkwy
Irvine, CA 92618 USA
www.WaveSense.net

Toll Free: 800.807.7760
Phone: 949.341.1980
Fax: 949.341.1982
Contact@WaveSense.net

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5. Fodstad, O., et al. 2001. Immunobead-based Detection and Characterization of Circulating Tumor Cells in Melanoma Patients. *Recent Results Cancer Res.* 158: 40-50.
6. Lindmo, T., et al. 1984. Antigen Expression in Human Melanoma Cells in Relation to Growth Conditions and Cell-Cycle Distribution. *Int. J. Cancer*, 33(2): 167-171.
7. Hwang, K.M., et al. 1985. Radiolocalization of Xenografted Human Malignant Melanoma by a monoclonal Antibody (9.2.27) to a Melanoma-Associated Antigen in Nude Mice. *Cancer Res.* 45(9): 4150-4155.

Product Specification Sheet



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