

ANTIGENIX AMERICA, INC.

PRODUCT INFORMATION SUMMARY

ANTI-Human CD44v3 (Variant Isoform)

Mouse Monoclonal

CD44v3 Purified Antibody Product Number M443320 1.0 mL

ANTIGEN DISTRIBUTION AND SPECIFICITY:

CD44v3: Mouse monoclonal anti-human CD44v3 reacts with the human CD44 variant isoform with exon V3. Sequencing analysis reveals that human CD44 exists in at least fifteen (15) different isoforms. Most CD44 variants have the same sequence at the two ends of the molecule, but differ in the middle region located on the external portion of the cell membrane. The CD44v3 expression may be an indicator of metastasis and tumor progression.

Clone: 327 - Mouse IgG1

HANDLING AND STORAGE:

All forms of this monoclonal antibody are supplied as ready to use liquid, containing 0.01% sodium azide. Further dilution should be made in PBS (pH 7.5) with BSA or gelatin (0.2%). All reagents in a liquid state should be stored at 2-8° C when not in use. Small aliquots may be frozen for long-term storage.

PRODUCT USE:

For flow cytometry **use 10-20uL uL per test.** For immunohistochemistry, use enough diluted reagent to cover the tissue section or cytoprep. Working dilution should be optimized, suggested range is 1:10- 1:20.

RESEARCH APPLICATIONS:

Flow Cytometry 10-20 uL per test

Frozen and Paraffin-embedded tissue staining 1:10

** paraffin staining IHC- requires antigen retrieval (heat treatment) using Sodium Citrate buffer (pH 6.0) method.

Reference:

Hanley, W.D., et al, FASEB J., 20: 337-339 (2006); Variant Isoforms of CD44 are P and L- selectin ligands on colon carcinoma cells.

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