

**TECHNICAL DATA SHEET****Catalog # MS704****DCXR (L-xylulose reductase) monoclonal antibody**

Rev.5

LOT #:

**COMPONENTS:** 100 µg monoclonal antibody**APPLICATIONS:** Western blotting, Immunoprecipitation, Immunocytochemistry, In-Cell ELISA, Flow Cytometry**CLONE ID OF MONOCLONAL ANTIBODY (mAb):** 4G4AF5**SPECIES CROSS-REACTIVITY:** human**HOST SPECIES AND ISOTYPE:** Mouse IgG1, κ**IMMUNOGEN:** Human liver mitochondria**CONCENTRATION:** 1 mg/mL in HEPES-Buffered Saline (HBS) with 0.02% azide as a preservative.**SUGGESTED WORKING CONCENTRATION:**  
1 µg/mL for Western blotting  
4 µg/mL for Immunocytochemistry  
4 µg/mL for In-Cell ELISA (0.4 µg/well)  
1 µg/mL for Flow Cytometry**mAb PURITY:** Near homogeneity as judged by SDS-PAGE. The antibody was produced *in vitro* using hybridomas grown in serum-free medium, and then purified by affinity purification.**STORAGE CONDITIONS:** Store at 4°C. Do not freeze.**COUNTRY OF ORIGIN:** USA**BACKGROUND:**

DCXR is an oxidoreductase enzyme that catalyzes the NADH-dependent reduction of several pentoses, tetroses, alpha-dicarbonyl compounds and L-xylulose. DCXR is part of the uronate cycle in glucose metabolism and is highly expressed in kidney and liver. DCXR is only weakly expressed or not at all in brain and heart tissue.

**Note: This product is for research purposes only. It is not to be used in humans or for diagnostic purposes.**

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