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Human UTF-1 MONOCLONAL ANTIBODY

CATALOG NUMBER:	MAB4337	**QUANTITY:**	100 µg
LOT NUMBER:		**CONCENTRATION:**	1 mg/mL
CLONE NAME:	5G10.2	**HOST/ISOTYPE:**	Mouse IgG1k

BACKGROUND: UTF1 is a transcription factor that was originally identified due to its expression in Embryonic Stem (ES) cells, Embryonic Carcinoma (EC) cells, and germ line tissues. Expression was not found in adult tissues. It was thought at the time that UTF1 might play an important role in early molecular events of embryogenesis. Subsequent studies have shown that UTF1 is a target of the Oct-4 / Sox-2 complex, a key determinant of pluripotency in stem cells

IMMUNOGEN: Recombinant GST Fusion protein, human UTF-1

APPLICATIONS:
ELISA
Western Blot (expected target MW 36.5 kDa (Human); 36.4 kDa (murine)
Immunocytochemistry

SPECIES REACTIVITY: Human and Mouse

FORMAT: Purified ascites

PRESENTATION: Liquid in PBS with 0.1% sodium azide

STORAGE/HANDLING: Maintain refrigerated at 2-8°C in undiluted aliquots for up to 12 months.

REFERENCES:

Okuda, A, *et al* (1998). UTF1, a novel transcriptional coactivator expressed in pluripotent embryonic stem cells and extra-embryonic cells. *EMBO J* **17**: 2019-2032.

Nishimoto, M, *et al* (1999). The gene for the embryonic stem cell coactivator UTF1 carries a regulatory element which selectively interacts with a complex composed of Oct-3/4 and Sox-2. *Mol Cell Biol* **19**: 5453-5465.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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