

Product datasheet for UM500060

OriGene Technologies, Inc.

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NY-ESO-1 (CTAG1B) Mouse Monoclonal Antibody [Clone ID: UMAB72]

Product data:

Product Type: Primary Antibodies

Clone Name: UMAB72

Applications: 10k-ChIP, FC, IF, IHC, WB

Recommended Dilution: IHC 1:100
Reactivity: Human
Host: Mouse
Isotype: IgG1

Clonality: Monoclonal

Immunogen: Full length human recombinant protein of human CTAG1B (NP_001318) produced in

HEK293T cell.

Formulation: PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

Concentration: 0.5~1.0 mg/ml (Lot Dependent)

Purification: Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography

(protein A/G)

Conjugation: Unconjugated

Storage: Store at -20°C as received.

Stability: Stable for 12 months from date of receipt.

Predicted Protein Size: 17.8 kDa

Gene Name: cancer/testis antigen 1B

Database Link: NP 001318

Entrez Gene 1485 Human

P78358

Background: The protein encoded by this gene is an antigen that is overexpressed in many cancers but

that is also expressed in normal testis. This gene is found in a duplicated region of the X-chromosome and therefore has a neighboring gene of identical sequence. [provided by

RefSeq, Jan 2012]

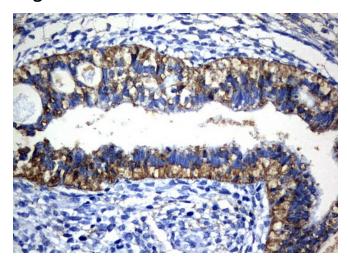
Synonyms: CT6.1; CTAG; CTAG1; ESO1; LAGE-2; LAGE2B; NY-ESO-1



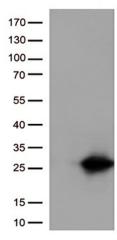


Protein Families: Druggable Genome

Product images:

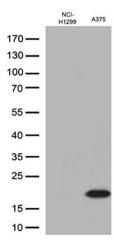


Immunohistochemical staining of paraffinembedded Human testicular cancer tissue using anti-CTAG1B mouse monoclonal antibody. (UM500060; heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min)

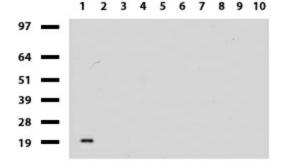


HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY CTAG1B ([RC213318], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-CTAG1B (1:500).

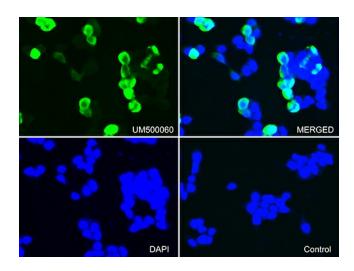




Western blot analysis of extracts (35ug) from 2 cell lines lysates by using anti-CTAG1B monoclonal antibody (1:500).

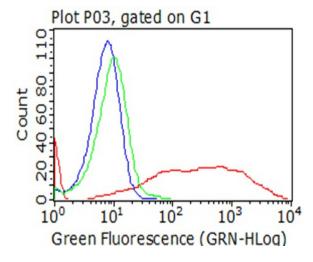


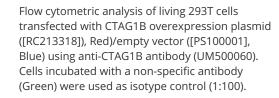
Western blot of human tissue lysates (15ug) from 10 different tissues (1: Testis, 2: Omentum, 3: Uterus, 4: Breast, 5: Brain, 6: Liver, 7: Ovary, 8: Thyroid, 9: Colon, 10: Spleen). Diluation: 1:500.

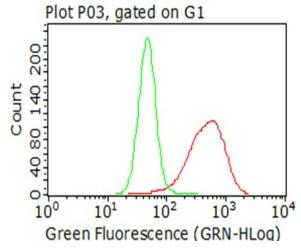


Immunofluorescent staining of 293T cells transfected by pCMV6-ENTRY CTAG1B ([RC213318]) using anti-CTAG1B antibody (UM500060/green, upper left; DAPI/blue, lower left; MERGED, upper right). 293T cells transfected with empty vector served as a negative control (MERGED, lower right) (1:100).

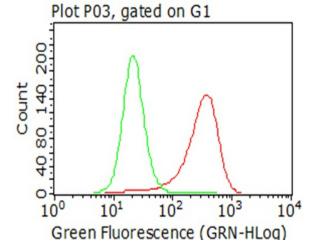






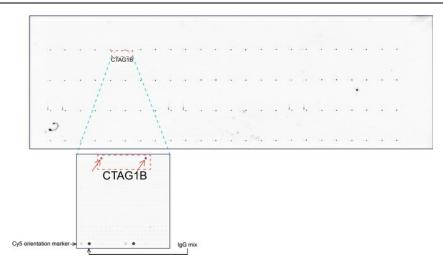


Flow cytometric analysis of living NCI-H1299 cells, using anti-CTAG1B antibody (UM500060, Red), compared to an isotype control (green) (1:100).



Flow cytometric analysis of living A375 cells, using anti-CTAG1B antibody (UM500060, Red), compared to an isotype control (green) (1:100).





OriGene overexpression protein microarray chip was immunostained with UltraMAB anti-CTAG1B mouse monoclonal antibody (UM500060). The positive reactive proteins are highlighted with two red arrows in the enlarged subarray. All the positive controls spotted in this subarray are also labeled for clarification.