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Research Use Only. Not for diagnostic or therapeutic use.

EB09145 - Goat Anti-NY-ESO-1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CTAG1B, cancer/testis antigen 1B, CTAG, CTAG1, ESO1, LAGE-2, LAGE2B, NY-ESO-1, New York esophageal squamous cell carcinoma 1, cancer antigen 3

Official Symbol: CTAG1B

Accession Number(s): NP_001318.1

Human GeneID(s): 1485

Immunogen

Peptide with sequence C-AELARRSLAQDAP, from the internal region of the protein sequence according to NP_001318.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:16000.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A549 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

Microarray: This product has been successfully used in Microarray as described in a scientific publication (PMID: 22922091).

Species Reactivity

Tested: Human

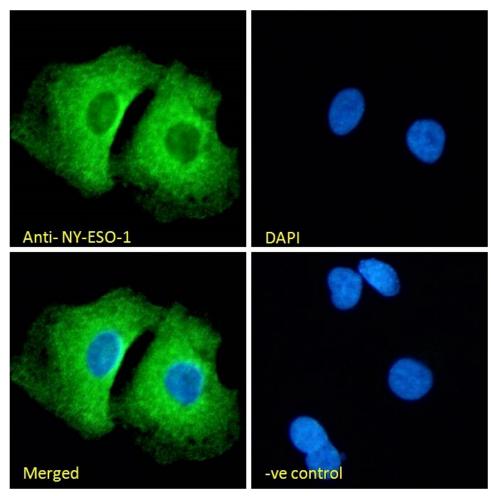
Expected from sequence similarity: Human

Specific Reference

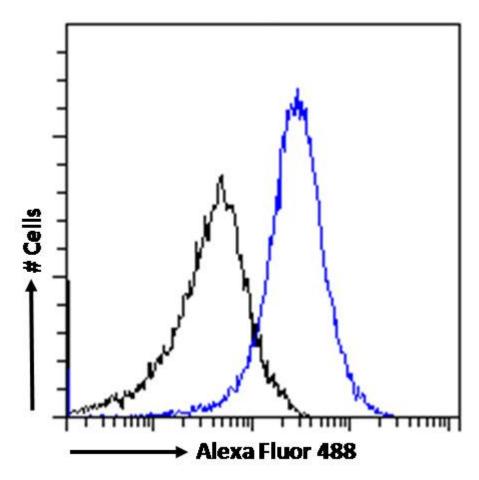
Shan Q, Lou X, Xiao T, Zhang J, Sun H, Gao Y, Cheng S, Wu L, Xu N, Liu S. A cancer/testis antigen microarray to screen autoantibody biomarkers of non-small cell lung cancer.

Cancer Lett. 2013 Jan 1;328(1):160-7.

PMID: 22922091



EB09145 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB09145 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.