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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB05117 - Goat Anti-ITK Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ITK, EMT, LYK, PSCTK2, IL2-inducible T-cell kinase, tyrosine-protein kinase LYK, homolog of mouse T-cell itk/tsk, tyrosine-protein kinase ITK/TSK, MGC126257, MGC126258

Official Symbol: ITK

Accession Number(s): NP_005537.3

Human GeneID(s): [3702](#)

Non-Human GeneID(s): 16428 (mouse)

Immunogen

Peptide with sequence C-RLLRQLAEIAESGL, from the C Terminus of the protein sequence according to NP_005537.3.

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 1:2000.

Western blot: Approx 75kDa band observed in nuclear ysates of cell line Jurkat (calculated MW of 71.8kDa according to NP_005537.3). Recommended concentration: 1-3g/ml. Primary incubation 1 hour at room temperature.

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

Flow Cytometry: A customer reported weak staining of Jurkat cells at a concentration:of 10ug/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse

EB05117 (1ug/ml) staining of Jurkat nuclear cell lysate (A) and negative control Human parathyroid gland (B) (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB05117 Immunofluorescence analysis of paraformaldehyde fixed HeLa 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).

EB05117 Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong cytoplasmic and weak nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).