



## UK Office

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

## EB11681 - Goat Anti-CD34-T Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CD34, CD34 antigen, CD34 molecule, CD34-T, hematopoietic progenitor cell antigen CD34, OTTHUMP00000034733, OTTHUMP00000034734

**Official Symbol:** CD34

**Accession Number(s):** NP\_001764.1

**Human GeneID(s):** [947](#)

**Non-Human GeneID(s):** 12490 (mouse)

**Important Comments:** This antibody is expected to recognize reported isoform CD34-T (NP\_001020280.1) only.

### Immunogen

Peptide with sequence C-SPTGERLELEP, from the C-Terminus of the protein sequence according to NP\_001764.1.

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 1:128000.

**Western blot:** Preliminary testing showed bands at approx 85+90kDa in Human Peripheral Blood Mononucleocytes lysate (calculated MW of 35.0kDa according to NP\_001764.1). The observed MW correspond to glycosylated forms, routinely observed by other sources. Primary incubation 1 hour at room temperature.

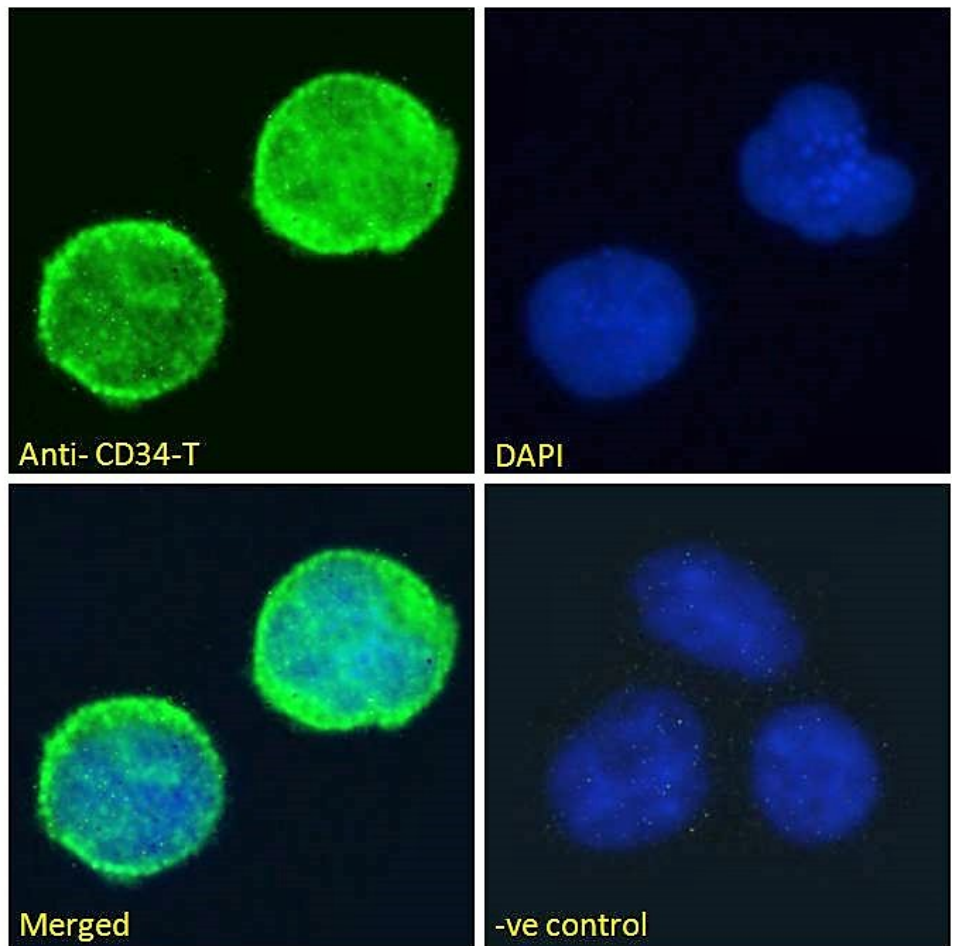
**Immunofluorescence:** Strong expression of the protein seen in the plasma membranes and nuclei of Jurkat and U2OS cells. Recommended concentration: 10µg/ml.

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

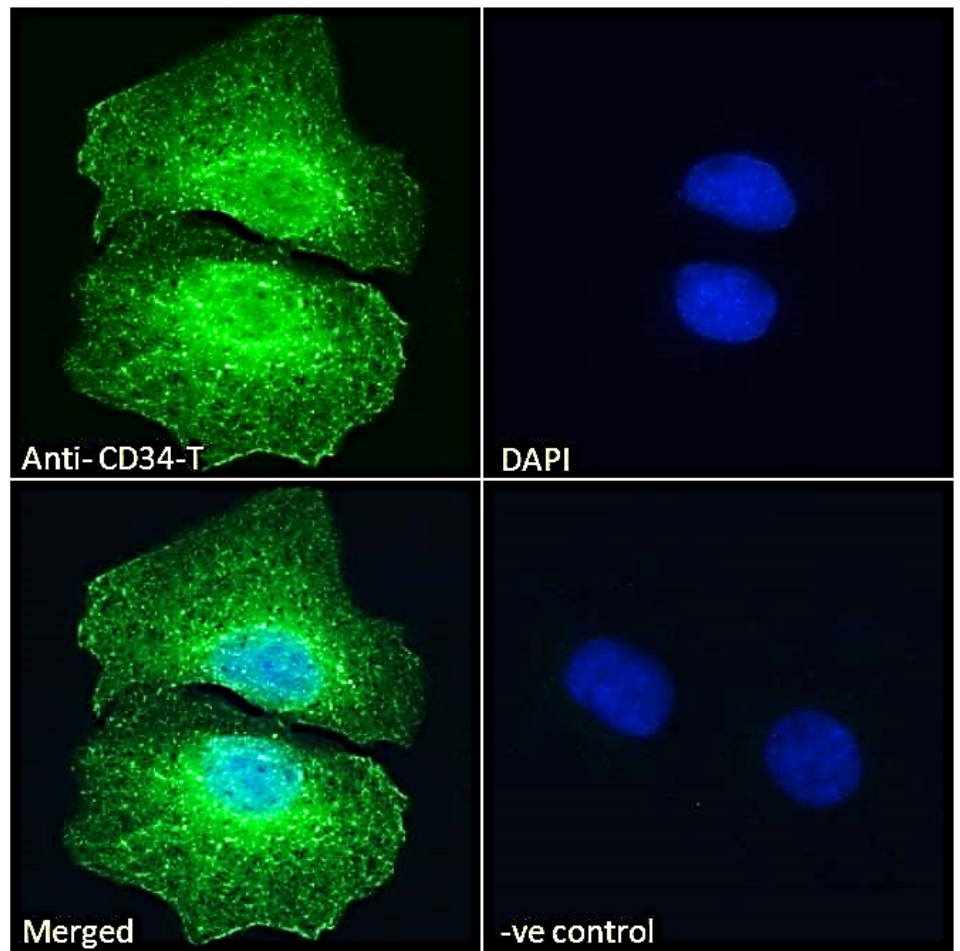
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Mouse



EB11681 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 plasma membrane and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB11681 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing plasma membrane, nuclear and cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).