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

EB12551 - Goat Anti-CD74 (aa159-171) Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CD74, DHLAG, HLADG, Ia-GAMMA, CD74 molecule, major histocompatibility complex, class II invariant chain, CD74 antigen, CD74 antigen (invariant polypeptide of major histocompatibility complex, class II antigen-associated), HLA-DR-gamma, Ia-associated invariant chain, MHC HLA-DR gamma chain, gamma chain of class II antigens

Official Symbol: CD74

Accession Number(s): NP_001020330.1; NP_004346.1; NP_001351012.1; : NP_001351013.1

Human GeneID(s): [972](#)

Important Comments: This antibody is expected to recognize all reported isoforms.

Immunogen

Peptide with sequence C-KGSFPENLRHLKN, from the internal region of the protein sequence according to NP_001020330.1; NP_004346.1; NP_001351012.1; : NP_001351013.1.

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: This antibody was observed to recognize variations of bands at approx. 26kDa, 30kDa, 35kDa and 70kDa in Human Duodenum and Lung lysates (calculated MW of 26.4kDa according to NP_004346.1 and 33.5kDa according to NP_001020330.1. All bands were blocked by incubation with the immunizing peptide and have been observed by other commercial sources. Recommended concentration: 0.5-1µg/ml. Primary incubation 1 hour at room temperature.

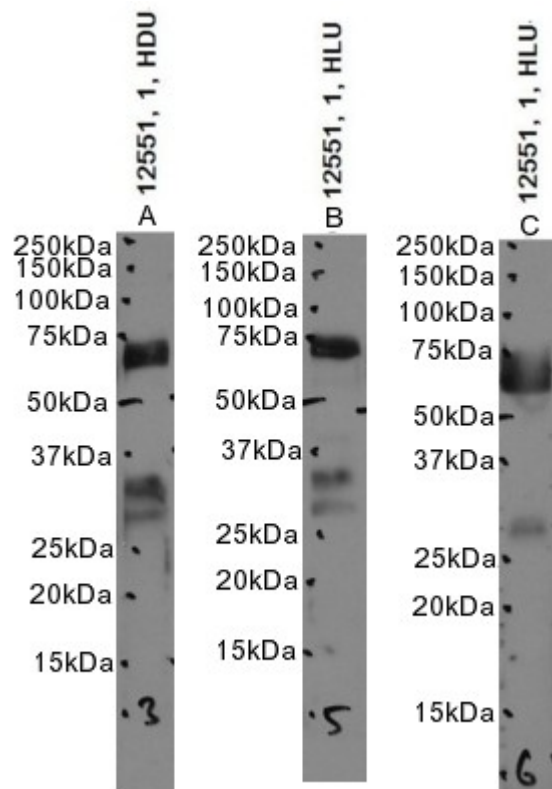
IHC: Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml

Flow Cytometry: Flow cytometric analysis of Caco-2 cells. Recommended concentration: 10ug/ml.

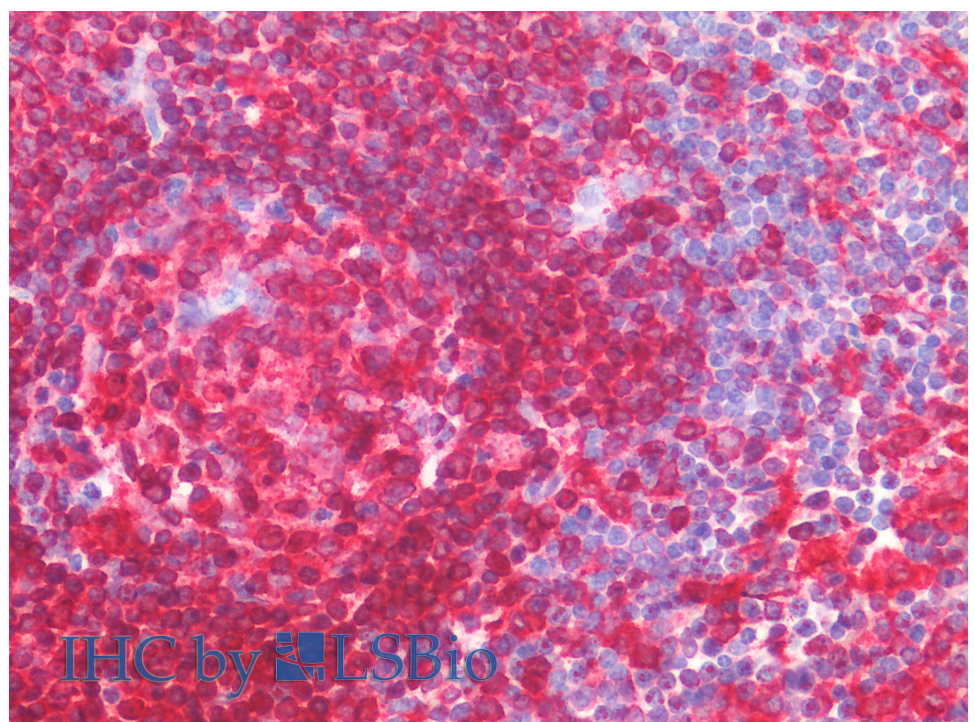
Species Reactivity

Tested: Human

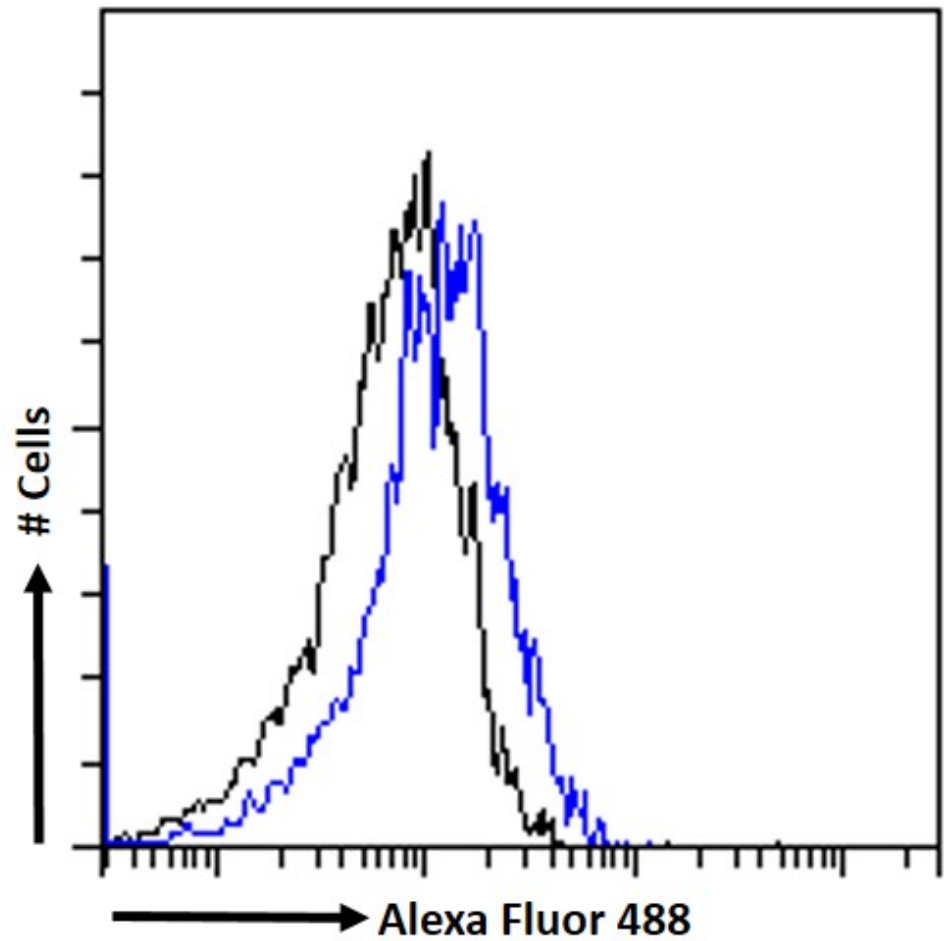
Expected from sequence similarity: Human



EB12551 optimised QC. Primary incubation 1 hour at room temperature.
 Images A, B, C: Human Duodenum lysate, Human Lung lysate 1 and Human Lung lysate 2 at primary Ab concentration 1µg/ml. (Loaded 35µg protein in RIPA buffer, per lane).
 Detected by chemiluminescence.



EB12551 (5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer Ph 6, AP-staining.



EB12551 Flow cytometric analysis of paraformaldehyde fixed CaCo2 cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488® conjugated secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.