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

EB12552 - Goat Anti-CD74 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

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

Important Comments: This antibody is expected to recognize isoform a (NP_001020330.1) and isoform b (NP_004346.1).

Immunogen

Peptide with sequence C-HSLEQKPTDAPPK, from the internal region of the protein sequence according to NP_001020330.1; NP_004346.1.

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: Approx 33kDa band observed in Human Tonsil lysates (calculated MW of 33.5kDa according to NP_001020330.1). Recommended concentration: 0.01-0.03µg/ml. Primary incubation was 1 hour. This antibody has been successfully used in WB: Meza-Romero R et al (2019). PMID: 30353480.

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

Species Reactivity

Tested: Human

Expected from sequence similarity: Human

Specific Reference

This antibody has been successfully used in Western blot:

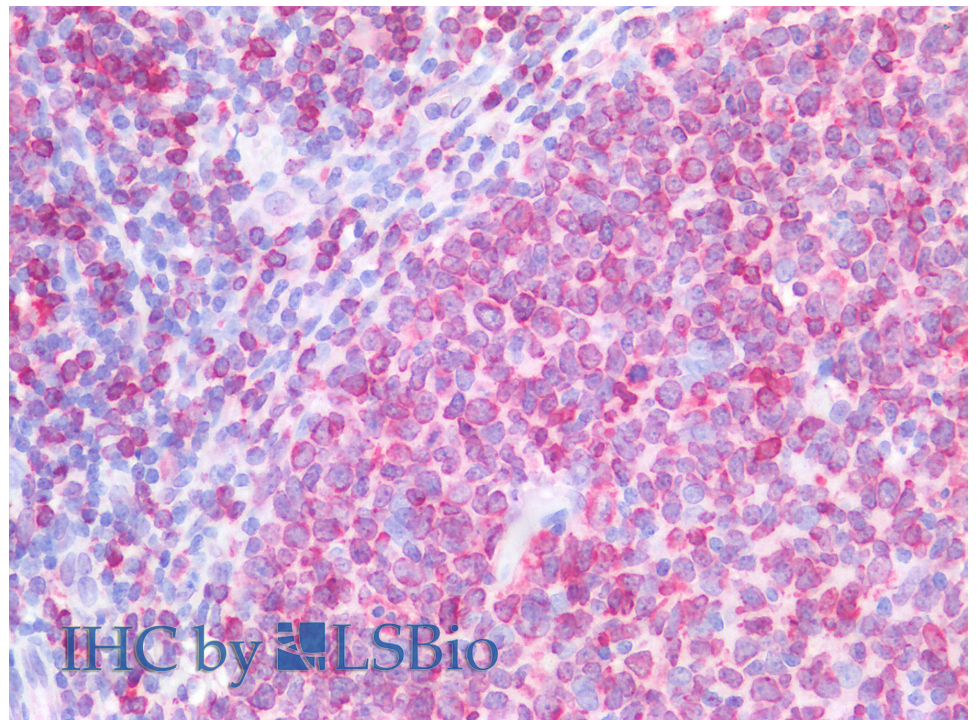
Meza-Romero R, Benedek G, Gerstner G, Kent G, Nguyen H, Offner H, Vandenbark AA. Increased CD74 binding and EAE treatment efficacy of a modified DRα1 molecular construct.

Metab Brain Dis. 2019 Feb;34(1):153-164

PMID: 30353480



EB12552 (0.03 μ g/ml) staining of Human Tonsil lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.



EB12552 (5 μ g/ml) staining of paraffin embedded Human Tonsil. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.