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

EB12255 - Goat Anti-CD44 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CD44, CD44 molecule (Indian blood group), CDW44, CSPG8, ECMR-III, HCELL, HUTCH-I, IN, LHR, MC56, MDU2, MDU3, MIC4, Pgp1, CD44 antigen, GP90 lymphocyte homing/adhesion receptor, Hermes antigen, cell surface glycoprotein CD44, chondroitin sulfate proteoglycan 8, epican, extracellular matrix receptor III, hematopoietic cell E- and L-selectin ligand, heparan sulfate proteoglycan, homing function and Indian blood group system, hyaluronate receptor, phagocytic glycoprotein 1

Official Symbol: CD44

Accession Number(s): NP_000601.3; NP_001001389.1; NP_001001390.1; NP_001001391.1; NP_001001392.1; NP_001189484.1; NP_001189485.1; NP_001189486.1

Human GenelD(s): [960](#)

Important Comments: This antibody is expected to recognize reported isoforms 1, 2, 3, 4, 6, 7, 8 (NP_000601.3; NP_001001389.1; NP_001001390.1; NP_001001391.1; NP_001189484.1; NP_001189485.1; NP_001189486.1).

Immunogen

Peptide with sequence C-NRDGTRYVQKGEYRT, from the internal region of the protein sequence according to NP_000601.3; NP_001001389.1; NP_001001390.1; NP_001001391.1; NP_001001392.1; NP_001189484.1; NP_001189485.1; NP_001189486.1.

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 75-82kDa band observed in lysates of cell line U-2 OS (calculated MW of 81.5kDa according to NP_000601.3 and 76.6 according to NP_001001389.1).

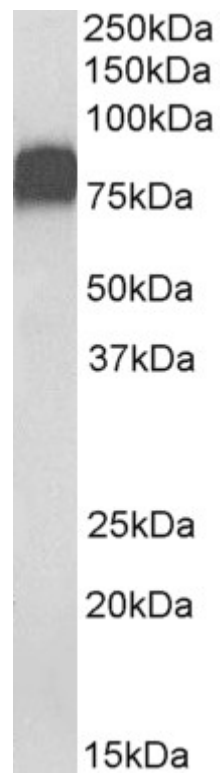
Recommended concentration: 0.01-0.03µg/ml.

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

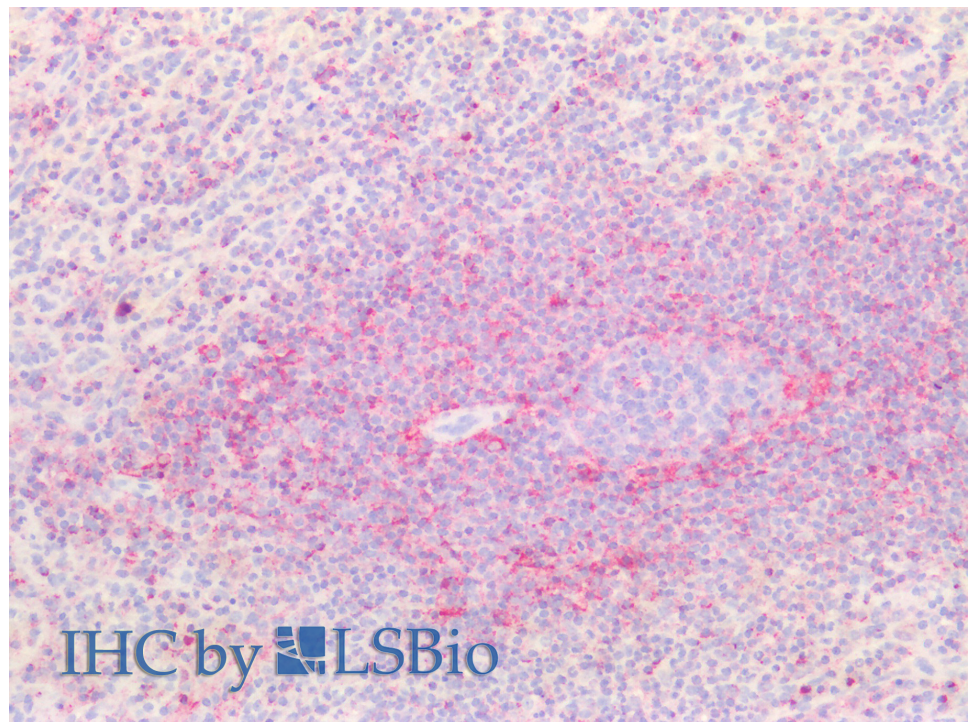
Species Reactivity

Tested: Human

Expected from sequence similarity: Human



EB12255 (0.03µg/ml) staining of U-2 OS lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB12255 (5µg/ml) staining of paraffin embedded Human Spleen. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.