

Technical Data

MBS601058\_TDS

Rat anti- Human

CD44S (HCAM, Homing Cell Adhesion Molecule, Pgp-1, Phagocytic Glycoprotein-1, Hermes Antigen, Lymphocyte Homing Receptor, ECM-III, HUTCH-1)

<p>CD44 (H-CAM, Homing Cell Adhesion Molecule) is a 85-90kD transmembrane protein. The human CD44 gene contains 19 exons; 1-5 and 15-19 are expressed by wild-type CD44, also known as the standard hemopoietic form (CD44s).</p> <p><b>Applications:</b> Suitable for use in ELISA, RIA, Flow Cytometry, Immunoflourescence, Western Blot, Immunohistochemistry and Immunoprecipitation. Other applications not tested.</p> <p><b>Recommended Dilutions:</b> <i>ELISA:</i> 1:2000 <i>RIA:</i> 1:5000 <i>Flow Cytometry:</i> 1:1000 <i>Immunoflourescence:</i> 1:200 <i>Immunohistochemistry (Paraffin):</i> 1:250 Antigen retrieval is usually not needed. <i>Immunoprecipitation:</i> 1:200 <i>Western Blot:</i> 1:1000. Non-reduced conditions only. ~90kD band detected; Blocking PBS/5% milk protein. Overnight incubation. Optimal dilutions to be determined by the researcher.</p> <p><b>Storage and Stability:</b> May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 12 months after receipt. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.</p>	<p><b>Type Mab</b></p>	<p><b>Isotype</b> IgG2b</p>	<p><b>Clone</b> 2Q1374</p>	<p><b>Grade</b> Purified</p>
		<p><b>Storage</b> -20°C</p>	<p><b>Shipping</b> Blue Ice</p>	<p><b>Concentration</b> ~ 1mg/ml</p>
	<p><b>Size</b> 100ug</p>			
		<p><b>Immunogen:</b> Purified human blood lymphocyte CD44</p>		
	<p><b>Purity:</b> Purified</p>			
	<p><b>Form:</b> Supplied as a liquid in PBS, pH 7.5, 0.01% sodium azide.</p>			
	<p><b>Specificity:</b> Recognizes human CD44 (85-95kD) gp90 Hermes and mouse gp85 (Pgp-1). Reacts with the standard CD44 isoform that lacks exon sequences v1-v10. <i>Species Crossreactivity:</i> rabbit, porcine, mouse, rat, canine, bovine cells/tissue</p>			

11.Bourguignon, L.Y.W., Lokeshwar, V.B., Chen, X. and Kerrick, W.G.L., J. Immunology, (1993) 151:6634–6644.