

## Product datasheet for **DM3543P**

### Esm1 Rat Monoclonal Antibody [Clone ID: 5F44]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5F44
Applications:	WB
Recommended Dilution:	<b>Western Blot (non-reducing conditions only):</b> 1/500-1/1000.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Purified Mouse Recombinant Endocan
Specificity:	This antibody detects Endocan.
Formulation:	0.2 µm filtered solution in PBS without stabilizer. State: Purified State: Lyophilized purified IgG fraction.
Reconstitution Method:	Restore with 200 µl sterile PBS and the final concentration is 500 µg/ml.
Purification:	Protein A/G Affinity Chromatography.
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -70°C. Following reconstitution store the antibody (in aliquots) at -20°C for 6 month. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	endothelial cell-specific molecule 1
Database Link:	<a href="#">Entrez Gene 71690 Mouse Q9QYY7</a>
Background:	ESM1 (Endothelial cell-specific molecule 1) is a secreted dermatan sulfate proteoglycan which is predominantly expressed in the endothelial cells in human lung and kidney tissues. Expression of ESM1 is regulated by cytokines. ESM1 may have a role in lung endothelial cell-leukocyte interactions. The transcript contains multiple polyadenylation and mRNA instability signals. Two transcript variants encoding different isoforms have been found for this gene.



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**Synonyms:** Endothelial cell-specific molecule 1, Endocan