

## Product datasheet for **CF506208**

### CD56 (NCAM1) Mouse Monoclonal Antibody [Clone ID: OTI1G4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI1G4
Applications:	IHC, WB
Recommended Dilution:	WB 1:200~4000, IHC 1:150
Reactivity:	Human, Dog, Rat, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 20-718 of human NCAM1 (NP_851996) produced in HEK293T cells.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	94.4 kDa
Gene Name:	neural cell adhesion molecule 1
Database Link:	<a href="#">NP_851996</a> <a href="#">Entrez Gene 17967 Mouse</a> <a href="#">Entrez Gene 24586 Rat</a> <a href="#">Entrez Gene 479435 Dog</a> <a href="#">Entrez Gene 693789 Monkey</a> <a href="#">Entrez Gene 4684 Human</a> <a href="#">P13591</a>



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**Background:**

This gene encodes a cell adhesion protein which is a member of the immunoglobulin superfamily. The encoded protein is involved in cell-to-cell interactions as well as cell-matrix interactions during development and differentiation. The encoded protein has been shown to be involved in development of the nervous system, and for cells involved in the expansion of T cells and dendritic cells which play an important role in immune surveillance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2011]

**Synonyms:**

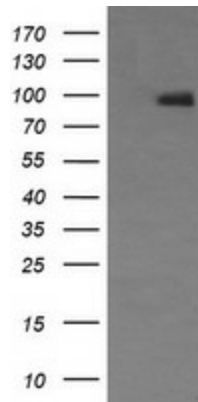
CD56; MSK39; NCAM

**Protein Families:**

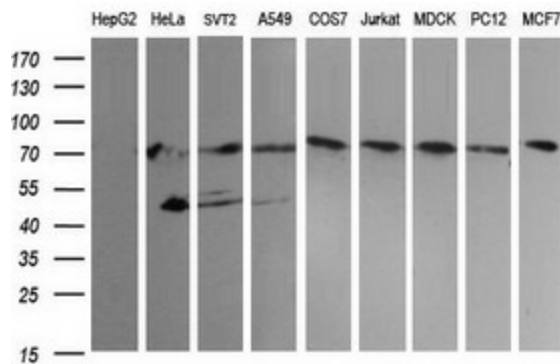
Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:**

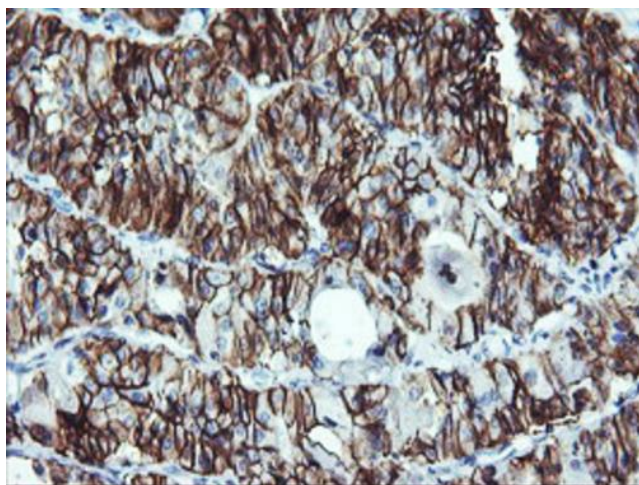
Cell adhesion molecules (CAMs), Prion diseases

**Product images:**


HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY NCAM1 (Cat# [RC207890], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-NCAM1 (Cat# [TA506208]). Positive lysates [LY405745] (100ug) and [LC405745] (20ug) can be purchased separately from OriGene.



Western blot analysis of extracts (35ug) from 9 different cell lines by using anti-NCAM1 monoclonal antibody (HepG2: human; HeLa: human; SVT2: mouse; A549: human; COS7: monkey; Jurkat: human; MDCK: canine; PC12: rat; MCF7: human).



Immunohistochemical staining of paraffin-embedded Carcinoma of Human thyroid tissue using anti-NCAM1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 120°C for 3min, [TA506208])