

## Product Datasheet

### Anti-CD56 [NCAM12.19] (orb758888)

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Catalog Number       | orb758888                                                                                                                         |
| Category             | Antibodies                                                                                                                        |
| Description          | Mouse monoclonal antibody to CD56                                                                                                 |
| Target               | CD56                                                                                                                              |
| Clonality            | Monoclonal                                                                                                                        |
| Species/Host         | Mouse                                                                                                                             |
| Isotype              | IgG1                                                                                                                              |
| Conjugation          | Unconjugated                                                                                                                      |
| Reactivity           | Human                                                                                                                             |
| Concentration        | 1 mg/ml                                                                                                                           |
| Buffer/Preservatives | PBS with 0.02% Proclin 300.                                                                                                       |
| Purity               | Purified                                                                                                                          |
| Immunogen            | This antibody was raised against human NCAM/CD56                                                                                  |
| UniProt ID           | <b>P13591</b>                                                                                                                     |
| Tested applications  | ELISA, IF, WB                                                                                                                     |
| Specificity          | This antibody is specific for human CD56, which is expressed on NK cells, as well as in the brain and at neuromuscular junctions. |
| Clone Number         | NCAM12.19                                                                                                                         |

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## Storage

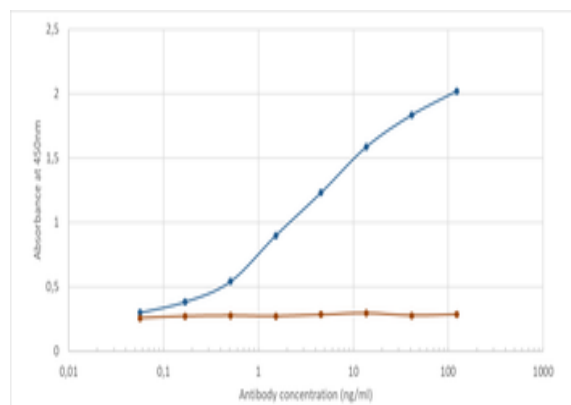
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

## Note

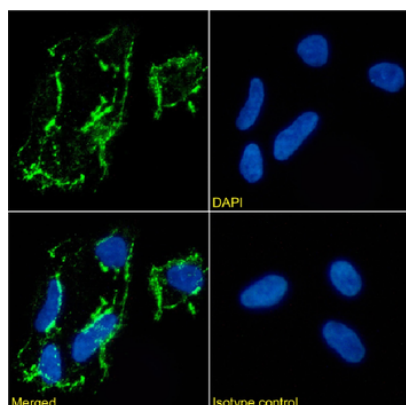
For research use only

## Expiration Date

12 months from date of receipt.



Binding curve of anti-CD56 antibody NCAM12.19 (orb758889) to recombinant human NCAM1 Fc-Fusion Protein. ELISA Plate coated with recombinant human NCAM1 Fc-Fusion Protein at a concentration of 5 µg/ml. A 3-fold serial dilution from 10000 ng/ml was performed using orb758889. For detection, a 1:4000 dilution of HRP-labelled anti-rabbit antibody was used.



Immunofluorescence staining of Kelly cells using anti-CD56 NCAM12.19. Immunofluorescence analysis of paraformaldehyde fixed Kelly cells stained with the chimeric mouse IgG version of NCAM12.19 (orb758888) at 10 µg/ml followed by Alexa Fluor® 488 secondary antibody (2 µg/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom orb669758, DAPI, merged channels and an isotype control. The isotype control was stained with anti-unknown antibody (orb256449) followed by Alexa Fluor® 488 secondary antibody.

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Western Blot using anti-CD56 antibody NCAM12.19. human brain cerebellum(A) and cerebral cortex(B) tissue lysate (35  $\mu$ g protein in RIPA buffer) was resolved on an SDS PAGE gel and blots probed with the chimeric mouse IgG version of NCAM12.19 (orb758888) at 0.03  $\mu$ g/ml before detection using an anti-mouse secondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

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