

## Active Recombinant Mouse Alcam, Fc Chimera

**Cat. No.** Alcam-232M    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Mouse Alcam (Accession # AAC06342) was produced in Mouse myeloma cell line, NS0-derived.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>               | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Predicted N Terminal</b> | Trp28                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS.                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Bio-activity</b>         | Measured by its ability to block adhesion of HuT 78 human cutaneous T cell lymphoma cells to immobilized Recombinant Human CD6 Fc Chimera .Recombinant Mouse ALCAM/CD166 Fc Chimera at 10 µg/mL (50 µL/well) blocked 100% of HUT-78 cell adhesion (1 x 10 <sup>6</sup> cells/mL, 50 µL/well) to immobilized recombinant human CD6 Fc Chimera (10 µg/mL, 100 µL/well). Optimal dilutions should be determined by each laboratory for each application. |
| <b>Molecular Mass</b>       | Recombinant Mouse Alcam, Fc Chimera has a calculated MW of 82 kDa (monomer). In SDS-PAGE migrates as 114-122 kDa, reducing conditions.                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>               | >95%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3                                                                                                                                                                                                                                                                         |

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months (-70°C).

## GENE INFORMATION

|                 |                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | Alcam activated leukocyte cell adhesion molecule [ Mus musculus ]                                                      |
| Official Symbol | Alcam                                                                                                                  |
| Synonyms        | ALCAM; activated leukocyte cell adhesion molecule; CD166 antigen; BEN; SC1; MuSC; CD166; AI853494; DM-GRASP; MGC27910; |
| Gene ID         | 11658                                                                                                                  |
| mRNA Refseq     | NM_009655                                                                                                              |
| Protein Refseq  | NP_033785                                                                                                              |
| MIM             |                                                                                                                        |

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