

32-8609: Recombinant Mouse Activated Leukocyte Cell Adhesion Molecule/ALCAM/CD166 (C-Fc)

Gene : Alcam
Gene ID : 11658
Uniprot ID : Q61490

Description

Source: Human Cells.
MW :83.3kD.

Recombinant Mouse Activated Leukocyte Cell Adhesion Molecule is produced by our Mammalian expression system and the target gene encoding Trp28-Lys527 is expressed with a Fc tag at the C-terminus. Activated leukocyte cell adhesion molecule (ALCAM), also named as CD166 and MEMD, is a type1 transmembrane glycoprotein of immunoglobulin superfamily, which mediates homotypic and heterotypic interactions between cells. ALCAM interacts with high affinity with CD6 molecule but weaker homotypic (ALCAM-ALCAM) interactions have also been described. ALCAM-CD6 interactions play an important role in the maintenance of T cell activation, proliferation as well as in formation of immune synapse between antigen-presenting cell and lymphocytes. ALCAM is expressed on a wide variety of cells, particularly on activated lymphocytes, dendritic cells and monocytes, and on various epithelial cell types. It is also involved in multiple processes including embryogenesis, hematopoiesis, angiogenesis, and immune response. While expressed in a wide variety of tissues, ALCAM is usually restricted to subsets of cells in most adult tissues. Recently studies showed ALCAM has prognostic relevance in several human carcinomas, and it has been used as a biomarker for several tumor entities, including melanoma, gynecologic, urologic, and gastrointestinal cancers.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : CRTSECCFQDPPYPDADSGSASGPRDLRCYRISSDRYECWSQYEGPTAGVSHFLRCCLSSGRCC
YFAAGSATRLQFSDQAGVSVLYTVTLWVESWARNQTEKSPEVTLQLYNSVKYEPPLGDIKVSCLA
GQLRMEWETPDNQVGAEVQFRHRTSPSPWKLGDGCPQDDDTESCLCLEMNVAQEFQLRRRQL
GSQGSSWSKWSSPVCVPPENPPQPQVRFSVEQLGQDGRRLTLKEQPTQLELPEGCQGLAPGT
EVTYRLQLHMLSCPCAKATRTLHLGKMPYLSGAAYNVAISSNQFGPGLNQTWHIPADTHTEPVA
LNISVGTNGTTMYWPARAQSMYCIWQPVGQDGGGLATCSLTAPQDPDPAGMATYSWSRESGA
MGQEKCYITIFASAHPEKLTWSTVLSTYHFGGNASAAGTPHHVSVKNHSLDSVSDWAPSLST
CPGVLKEYVVRCDSDSKQVSEHPVQPTETQVTLGSLRAGVAYTVQVRADTAWLRGVWSQPQR
FSIEVDDIEGRMDEPKCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHE
DPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEK
TISKAKGQPREPQVYTLPPSREEMTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTTPVLD
DGSFFLYSKLTVDKSRWQQGNVFSVSMHEALHNHYTQKSLSLSPGK

Application Note

Endotoxin : Less than 0.1 ng/Âµg (1 IEU/Âµg) as determined by LAL test.