

Recombinant Mouse CD300A Protein (Fc tag)**Cat.NO.: TP07603**

3th Edition

Synonyms:B230315M08Rik;CIm8;LMIR1;MAIR-I;MAIR-Ia;mcpir1;MMAC8;Pigr4

Description:CMRF35-like molecule 8, also known as CD300 antigen-like family member A, CMRF35-H9, Immunoglobulin superfamily member 12, Inhibitory receptor protein 60, NK inhibitory receptor, CD300a and CMRF35H, is a single-pass type I membrane protein which belongs to the CD300 family. The CD300 family of myeloid immunoglobulin receptors includes activating (CD300b, CD300e) and inhibitory members (CD300a, CD300f), as well as molecules presenting a negative charge within their transmembrane domain (CD300c, CD300d). CD300A / IGSF12 is expressed not only by natural killer (NK) cells but also by T-cell subsets, B-cells, dendritic cells, mast cells, granulocytes and monocytes. It contains one Ig-like V-type (immunoglobulin-like) domain. CD300A / IGSF12 is an inhibitory receptor which may contribute to the down-regulation of cytolytic activity in natural killer (NK) cells, and to the down-regulation of mast cell degranulation. CD300c is a functional immune receptor able to deliver activating signals upon ligation in RBL-2H3 mast cells. CD300c signaling is partially mediated by a direct association with the immune receptor tyrosine-based activation motif-bearing adaptor FcγR2. CD300a and CD300c play an important role in the cross-regulation of TNF-α and IFN-α secretion from plasmacytoid dendritic cells (pDCs).

Form:PBS**Molecular Weight:**44.2 kDa**Sequences:**Met 1-Arg 183**Purity:**> 95% by HPLC**Concentration:****Endotoxin Level:**<1.0 EU per 1 µg of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.