Extracellular fragment of Fc alpha Receptor I (CD89)

Cat. No. CBCRY06 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Source	E.coli
Background	Human FcalphaRI (CD89) is the receptor specific for IgA, an immunoglobulin that is abundant in mucosa and is also found in high concentrations in serum. Although FcalphaRI is an immunoglobulin Fc receptor (FcR), it differs in many ways from FcRs for other immunoglobulin classes. The genes of most FcRs are located on chromosome 1 at 1q21-23, whereas FcalphaRI is on chromosome 19, at 19q13.4, a region called the leukocyte receptor complex, because it is clustered with several leukocyte receptor families including killer cell inhibitory receptors (KIRs) and leukocyte Ig-like receptors (LIRs). The amino acid sequence of FcalphaRI shares only 20% homology with other FcRs but it has around 35% homology with its neighboring LIRs and KIRs.
Protein Classification	Immune System
Structure Weight	25006.40 Da
Polymer	1
Molecule	Immunoglobulin alpha Fc receptor
Chain Length	218 amino acids

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

PDB ID	1UCT
MMDB ID	24338
Method	X-Ray Diffraction
Resolution	2.1Å
Reference	Ding, Y., Xu, G., Yang, M., Yao, M., Gao, G.F., Zhang, W., Rao, Z. Crystal Structure of the Ectodomain of Human Fc{alpha}RI.J.Biol.Chem. 2003;278: 27966-27970

GENE INFORMATION

Gene Name	FCAR
Synonyms	XXbac-BPG230H20.5, CD89; Fc alpha receptor; IgA Fc receptor; OTTHUMP00000068692; OTTHUMP00000068696; OTTHUMP00000068697; OTTHUMP00000068698; CD89; CD89 antigen; Fc receptor; Fc fragment of IgA, receptor; IgA Fc receptor
UniProt ID	P24071
Gene ID	2204
Chromosome Location	19q13.2-q13.4
Function	IgA binding; receptor activity

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA