Active Recombinant Human CD109, His-tagged

Cat. No. CD109-108H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD109, Val22-Ser1268 (Tyr703Ser & Thr1241Met), fused with a C-terminal 10-His tag, was expressed in Mouse NSO Cells.
Species	Human
Source	Mammalian Cells
ProteinLength	22-1268 a.a.
Description	This gene encodes a glycosyl phosphatidylinositol (GPI)-linked glycoprotein that localizes to the surface of platelets, activated T-cells, and endothelial cells. The protein binds to and negatively regulates signalling by transforming growth factor beta (TGF-beta). Multiple transcript variants encoding different isoforms have been found for this gene.
Predicted N Terminal	Val22
Form	Lyophilized from a 0.2 μm filtered solution in PBS.
Bio-activity	Measured by its ability to bind TGF-beta 1 in a functional ELISA. Immobilized rhTGF-beta 1 at 1 μg/mL (100 μL/well) can bind rhCD109 with an apparent KD < 0.1 μM.
Molecular Mass	Predicted Molecular Mass: 141 kDaSDS-PAGE: 155-165 kDa, reducing conditions
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.

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

Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.12 months from date of receipt, -20 to -70 °C as supplied.1 month, 2 to 8 °C under sterile conditions after reconstitution.3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 g/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

GENE INFORMATION

Gene Name	CD109 CD109 molecule [Homo sapiens (human)]
Official Symbol	CD109
Synonyms	CD109; CD109 molecule; p180; r150; CPAMD7; CD109 antigen; Gov platelet alloantigens; activated T-cell marker CD109; platelet-specific Gov antigen; 150 kDa TGF-beta-1-binding protein; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 7
Gene ID	135228
mRNA Refseq	NM_133493
Protein Refseq	NP_598000
MIM	608859
UniProt ID	Q6YHK3

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

Chromosome Location	6q13
Function	serine-type endopeptidase inhibitor activity; transforming growth factor beta binding

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