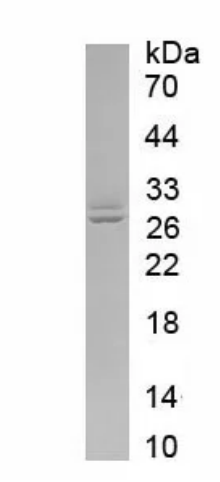
Active Integrin Alpha X (CD11c)

Catalog#:PHH12615

概述（Summary）

别称（Alternative Names）	ITGaX; CD11-C; ITG-AX; ITGA-X; Leu M5; Complement Component 3 Receptor 4 Subunit; CD11 antigen-like family member C; Leukocyte adhesion glycoprotein p150,95 alpha chain
纯度（Purity）	Greater than 95% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Gln143-Ser344】
Accession #	P20702
表达宿主（Host）	293F
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	24.4 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Integrin alpha-X/beta-2 is a receptor for fibrinogen. It recognizes the sequence G-P-R in fibrinogen. It mediates cell-cell interaction during inflammatory responses. It is especially important in monocyte adhesion and chemotaxis.

电泳图（SDS-PAGE image）



Greater than 95% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

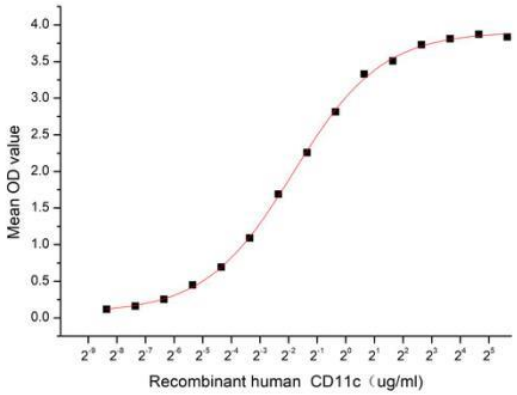


Figure 1. The binding activity of recombinant human CD11c and recombinant bovine IL13

Integrin Alpha X (CD11c) is a member of the leukointegrin family, it is an approximately 150 kDa type I transmembrane glycoprotein that heterodimerizes with Integrin beta 2. One of the earliest described properties of CD11c is its ability to mediate phagocytosis of iC3b-opsonized particles. Accordingly, CD11c is known as complement receptor 4. CD11c has also been implicated in phagocytosis of latex beads and bacteria in the absence of complement. CD11c binds a diverse array of ligands such as cell adhesion molecules and Interleukin 13 (IL13). Thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human CD11c and recombinant bovine IL13. Briefly, CD11c was diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to IL13-coated microtiter wells and incubated for 1h at 37℃. Wells were washed with PBST and incubated for 1h with anti-CD11c pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody for 1h at 37℃, wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37℃. Finally, add 50 µl stop solution to the wells and read at 450/630 nm immediately. The binding activity of recombinant human CD11c and recombinant bovine IL13 was shown in Figure 1, the EC50 for this effect is 0.28 ug/mL.

注意事项（Note）

For Research Use Only , Not for Diagnostic Use.