

Anti-CD11c / ITGAX Antibody [3G1]

RT1108



Product Type:	Mouse monoclonal IgG1, primary antibodies
Species reactivity:	Human
Applications:	WB, IP, IF, IHC-P
Molecular Wt:	145kDa
Clone number:	3G1

Description: Integrin α X (CD11C, leukocyte surface antigen p150,95, CR4, Axb2) is a type 1 transmembrane protein that traditionally combines with β 2 chain to form a leukocyte-specific integrin known as inactivated-C3b (iC3b) receptor 4 (CR4). Integrin α X/ β 2 shares similar properties of the α M/ β 2 integrin in mediating adherence of neutrophils and monocytes to stimulated endothelial cells, and in phagocytosis of complement coated particles. Abnormal expression of Integrin α X is characteristic of hairy cell leukemia (HCL) and is dependent upon activation of proto-oncogenes Ras and JunD. Proteins and DNA elements that influence transcription of Integrin α X include Sp1 and Sp1-like factors, AP-1 family, C/EBP, Oct-2 and PU.1. Integrin α X is present on monocyte derivative dendritic cells (DCs), macrophages and NK cells. Upon activation, DCs present in skin (Langerhans cells), lining of nose, lung, stomach, intestine and blood can migrate to lymphoid tissues and interact with T and B cells to initiate and shape the immune response.

Immunogen: peptide

Positive control: 293T, HL-60, AML-193.

Subcellular location: Membrane

Database links: SwissProt: P20702 Human

Recommended Dilutions:

WB	1:100-1:1,0000
IP	1-2 μ g per 100-500 μ g of total protein(1 ml of cell lysate)
IF	1:50-500
IHC-P	1:50-500

Storage Buffer: 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Storage Instruction: Store at +4°C

Purity: Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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Images

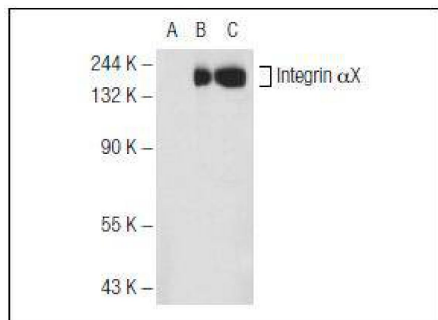


Fig1: Western blot analysis of Integrin α X expression in non-transfected 293T (A), human Integrin α X transfected 293T (B) and HL-60 (C) whole cell

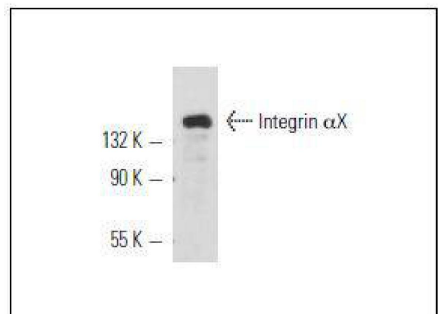


Fig2: Western blot analysis of Integrin α X expression in AML-193 whole cell lysate.

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

Background References

1. Binder, R.J., et al. 2000. Cutting edge: heat shock protein γ p96 induces maturation and migration of CD11c⁺ cells in vivo. *J. Immunol.* 165: 6029-6035.
2. Nham, S.U. 1999. Characteristics of fibrinogen binding to the domain of CD11c, an α subunit of p150,95. *Biochem. Biophys. Res. Commun.* 264: 630-634..

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