

# CD11c Recombinant Antibody [SI19-06] - Rat IgG1 (Chimeric) HA601418



**Product Type:** Recombinant Chimeric Antibody, primary antibodies

**Applications:**

**Molecular Wt:** Predicted band size: 128 kDa

**Clone number:** SI19-06

**Description:** Integrin  $\alpha X$  (CD11C, leukocyte surface antigen p150,95, CR4, Axb2) is a type 1 transmembrane protein that traditionally combines with  $\beta 2$  chain to form a leukocyte-specific integrin known as inactivated-C3b (iC3b) receptor 4 (CR4). Integrin  $\alpha X/\beta 2$  shares similar properties of the  $\alpha M/\beta 2$  integrin in mediating adherence of neutrophils and monocytes to stimulated endothelial cells, and in phagocytosis of complement coated particles. Abnormal expression of Integrin  $\alpha X$  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  $\alpha X$  include Sp1 and Sp1-like factors, AP-1 family, C/EBP, Oct-2 and PU.1. Integrin  $\alpha X$  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:** Synthetic peptide within Human CD11c aa 1,114-1,163 / 1,163 (Cytoplasmic).

**Positive control:** Human Hodgkin's lymphoma tissue, human spleen tissue, human lymph nodes tissue, human colon cancer tissue, human liver tissue, human cervical cancer, human tonsil.

**Subcellular location:** Membrane.

**Database links:** SwissProt: P20702 Human

**Storage Buffer:** PBS (pH7.4), 0.05% BSA, 40% Glycerol. Preservative: 0.05% Sodium Azide.

**Storage Instruction:** Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

**Purity:** Protein A affinity purified.

Hangzhou Huaan Biotechnology Co., Ltd.

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Technical:0086-571-89986345

Service mail:support@huabio.cn

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

Background References

1. Morandi F et al. IL-27 in human secondary lymphoid organs attracts myeloid dendritic cells and impairs HLA class I-restricted antigen presentation. *J Immunol* 192:2634-42 (2014).
2. Svensson MN et al. Fms-like tyrosine kinase 3 ligand controls formation of regulatory T cells in autoimmune arthritis. *PLoS One* 8:e54884 (2013).

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