

# Anti-CXCL16 Antibody

## ER1906-85



<b>Product Type:</b>	Rabbit polyclonal IgG, primary antibodies
<b>Species reactivity:</b>	Human, Mouse
<b>Applications:</b>	IHC-P, IF-Tissue, FC
<b>Molecular Wt:</b>	27 KDa

**Description:** Chemokine (C-X-C motif) ligand 16 (CXCL16) is a small cytokine belonging to the CXC chemokine family. Larger than other chemokines (with 254 amino acids), CXCL16 is composed of a CXC chemokine domain, a mucin-like stalk, a transmembrane domain and a cytoplasmic tail containing a potential tyrosine phosphorylation site that may bind SH2. These are unusual features for a chemokine, and allow CXCL16 to be expressed as a cell surface bound molecule, as well as a soluble chemokine. CXCL16 is produced by dendritic cells found in the T cell zones of lymphoid organs, and by cells found in the red pulp of the spleen. Cells that bind and migrate in response to CXCL16 include several subsets of T cells, and natural killer T (NKT) cells. CXCL16 interacts with the chemokine receptor CXCR6, also known as Bonzo. Expression of CXCL16 is induced by the inflammatory cytokines IFN-gamma and TNF-alpha. The gene for human CXCL16 is located on chromosome 17.

**Immunogen:** KLH conjugated synthetic peptide derived from the middle of human CXCL16 85-200/247

**Positive control:** Expressed in T-cell areas. Expressed in spleen, lymph nodes, lung, kidney, small intestine and thymus. Weak expression in heart and liver and no expression in brain and bone marrow.

**Subcellular location:** Cell membrane. Secreted. Also exists as a soluble form.

**Database links:** SwissProt: Q9H2A7 Human | Q8BSU2 Mouse

**Recommended Dilutions:**

IHC-P	1:100-500
IF-tissue	1:100-500
FC	3ug/Test

**Storage Buffer:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

**Storage Instruction:** Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Purity:** Protein A affinity purified.

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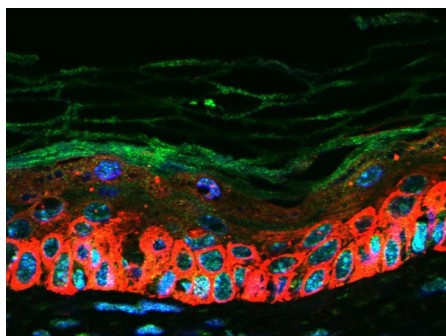
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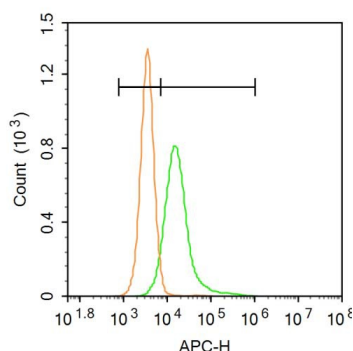
Service mail:support@huabio.cn

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## Images



**Fig1:** Images kindly provided by Dr. Denny Cottle from the publication, Fetal inhibition of inflammation improves disease phenotypes in Harlequin Ichthyosis. Formalin-fixed and paraffin embedded mouse skin probed with Rabbit Anti-CXCL16 Polyclonal Antibody (ER1906-85) at 1:50 for two hours at room temperature (green channel).



**Fig2:** Blank control: A431.

Primary Antibody (green line): Rabbit Anti-CXCL16 antibody (ER1906-85)

Dilution: 3 $\mu$ g /10<sup>6</sup> cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody: Goat anti-rabbit IgG-AF647

Dilution: 3 $\mu$ g /test.

Protocol

The cells were incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

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

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