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Datasheet for ABIN7193531
anti-LIFR antibody (AA 45-188)

4 Images

Overview

Quantity:	0.1 mg
Target:	LIFR
Binding Specificity:	AA 45-188
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LIFR antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human CD118 (AA: 45-188) expressed in E. coli.
Clone:	5D3G12
Isotype:	IgG1
Purification:	purified

Target Details

Target:	LIFR
Alternative Name:	CD118 (LIFR Products)
Background:	Description: This gene encodes a protein that belongs to the type I cytokine receptor family. This protein combines with a high-affinity converter subunit, gp130, to form a receptor complex

Target Details

that mediates the action of the leukemia inhibitory factor, a polyfunctional cytokine that is involved in cellular differentiation, proliferation and survival in the adult and the embryo. Mutations in this gene cause Schwartz-Jampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A translocation that involves the promoter of this gene, t(5,8)(p13,q12) with the pleiomorphic adenoma gene 1, is associated with salivary gland pleiomorphic adenoma, a common type of benign epithelial tumor of the salivary gland. Multiple splice variants encoding two different isoforms have been found for this gene.

Aliases: LIFR, SWS, SJS2, STWS, LIF-R

Molecular Weight: 123.7 kDa

Gene ID: 3977

Pathways: [JAK-STAT Signaling](#), [Growth Factor Binding](#)

Application Details

Application Notes: WB:1:500 - 1:2000, FCM:1:200 - 1:400, ELISA:1:10000,

Restrictions: For Research Use only

Handling

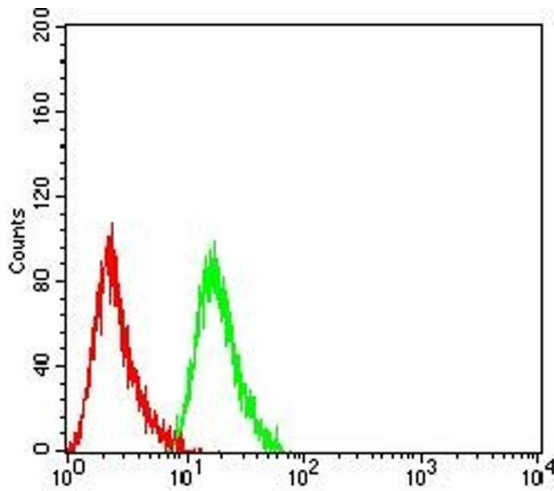
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

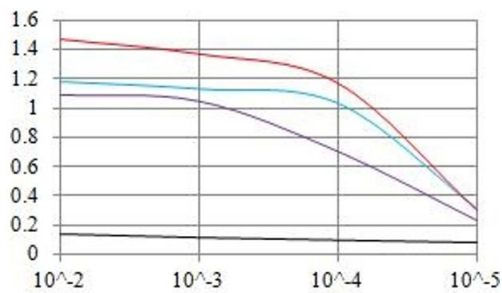
Storage Comment: 4°C, -20°C for long term storage



Flow Cytometry

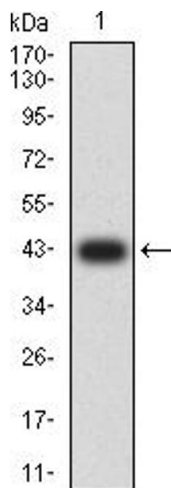
Image 1. Flow cytometric analysis of THP-1 cells using CD118 mouse mAb (green) and negative control (red).

O.D. ELISA Result



Serial Dilutions of Antibody

— Control Antigen = 100ng — Antigen = 10ng
 — Antigen = 50ng — Antigen = 100ng



ELISA

Image 2. Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)

Western Blotting

Image 3. Western blot analysis using CD118 mAb against human CD118 (AA: 45-188) recombinant protein. (Expected MW is 42.3 kDa)

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7193531.