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Datasheet for ABIN94248

anti-FAS antibody

3 Images

Overview

| | |
|--------------|------------------------------------------------------------------------------------|
| Quantity: | 0.1 mg |
| Target: | FAS |
| Reactivity: | Human |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | This FAS antibody is un-conjugated |
| Application: | Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)) |

Product Details

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|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Immunogen: | HUT-78 human T cell lymphoma cell line |
| Clone: | LT95 |
| Isotype: | IgG1 |
| Specificity: | The antibody LT95 reacts with an extracellular epitope on CD95 (Fas/APO-1), a 46 kDa single chain type I glycoprotein of the tumour necrosis factor/nerve growth factor (TNF/NGF) receptor superfamily, expressed on a variety of normal and neoplastic cells. It seems that the antibody LT95 does not induce Fas mediated apoptosis, although it cross-blocks anti-Fas DX2 antibody that recognizes a functional epitope of Fas molecule. |
| Cross-Reactivity (Details): | Human |
| Purification: | Purified by protein-A affinity chromatography. |
| Purity: | > 95 % (by SDS-PAGE) |

Target Details

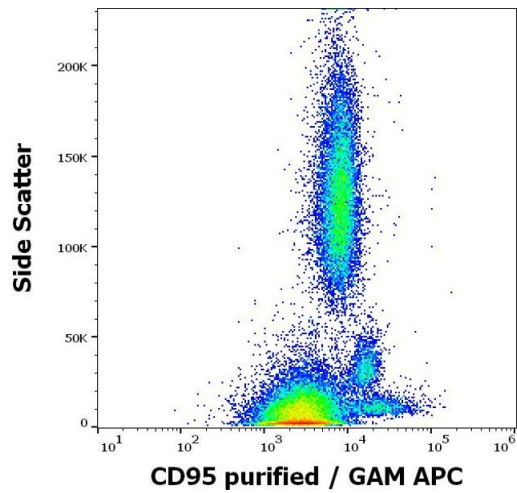
| | |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Target: | FAS |
| Alternative Name: | CD95 / Fas (FAS Products) |
| Background: | Fas cell surface death receptor,CD95 (Fas, APO-1), a 46 kDa transmembrane glycoprotein, is a cell death receptor of the TNFR superfamily. Stimulation of CD95 results in aggregation of its intracellular death domains, formation of the death-inducing signaling complex (DISC) and activation of caspases. In type I cells caspase 3 is activated by high amounts of caspase 8 generated at the DISC, in type II cells low concentration of caspase 8 activates pathway leading to the release of cytochrome c from mitochondria and activation of caspase 3 by cytochrom c. Besides its roles in induction of apoptosis, Fas also triggers pro-inflammatory cytokine responses.,FAS1, APT1, APO-1, FASTM, ALPS1A, TNFRSF6 |
| Gene ID: | 355 |
| UniProt: | P25445 |
| Pathways: | p53 Signaling , Apoptosis , Production of Molecular Mediator of Immune Response , Positive Regulation of Endopeptidase Activity |

Application Details

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | Flow cytometry: Recommended dilution: 1-12 µg/mL. Excellent. Immunohistochemistry (paraffin sections): Positive tissue: tonsil. |
| Restrictions: | For Research Use only |

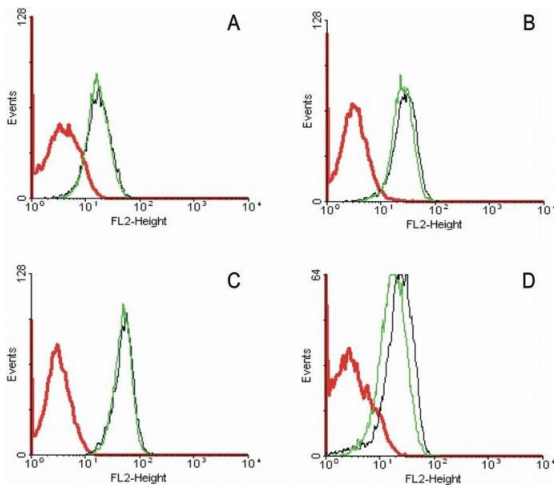
Handling

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|--------------------|------------------------------------------------------------------------------------------------------------------------|
| Concentration: | 1 mg/mL |
| Buffer: | Phosphate buffered saline (PBS), pH 7.4, 15 mM 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. |
| Handling Advice: | Do not freeze. |
| Storage: | 4 °C |
| Storage Comment: | Store at 2-8°C. Do not freeze. |



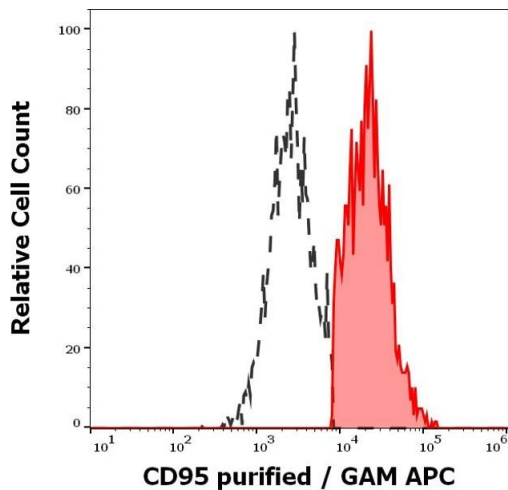
Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD95 (LT95) purified antibody (concentration in sample 2 µg/mL) GAM APC.



Flow Cytometry

Image 2. Flow cytometry analysis of 5-bromodeoxyuridin (BrdU) incorporation in CEM human acute lymphoblastic leukemia cell line using purified anti-5-bromodeoxyuridin (MoBu-1) (detection by Goat anti-mouse IgG1 FITC). The individual cell cycle phases (S-, G1-, G2/M-phase) are indicated in the figure.



Flow Cytometry

Image 3. Separation of human CD95 positive lymphocytes (red-filled) from CD95 negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using anti-human CD95 (LT95) purified antibody (concentration in sample 2 µg/mL) GAM APC.