9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

10-1002-F: Monoclonal antibody to DR4 (Clone: ABM1B11) FITC Conjugated

Clonality :	Monoclonal
Clone Name :	ABM1B11
Application :	FACS
Reactivity :	Human
Conjugate :	FITC
Gene :	TNFRSF10A
Gene ID :	8797
Uniprot ID :	O00220
Format :	Purified
Alternative Name :	TNFRSF10A,APO2,DR4,TRAILR1
Isotype :	Mouse IgG1 Kappa
Immunogen Information :	A partial length recombinant human DR4 protein (amino acids 2-203 was used as an immunogen for this antibody.

Description

Death receptor 4 (DR4) or TRAIL-R1, a member of the tumor necrosis factor receptor superfamily, is a cell surface receptor that triggers the apoptotic machinery upon binding to its ligand tumor necrosis factor-related apoptosis-inducing ligand (TRAIL). DR4 is expressed in most of human tissues including spleen, peripheral blood leukocytes, small intestine and thymus. DR4 expression is enhanced by DNA damage whether induced by ionizing radiation or by chemotherapeutic agents. On binding DR4, TRAIL induces cell death via caspase-dependent apoptosis. DR4 mediate oligomeric Abeta induction of extrinsic apoptotic pathways in human microvascular cerebral endothelial cells with activation of both caspase-8 and caspase-9. It is considered a promising molecular target for cancer therapy.

Product Info

Amount :	100 µg
Purification :	Protein G Chromatography
Content :	25 µg in 125 µl/100 µg in 500 µl Tris and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months.

Application Note

Flowcytometric analysis: 0.5-1 µg/10^6 Cells

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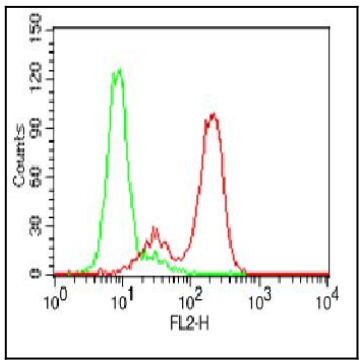


Fig.1: Intracellular FLOW analysis of Jurkat cells using 0.5 µg of antibody. Red represents FITC conjugated DR4 antibody 10-1002-F(Clone: ABM1B11). Green represents FITC conjugated mouse IgG1 isotope control (ABEOMICS) .

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