

30-2946: Anti-IRF4 Purified (Clone: 3E4)

Clonality :	Monoclonal
Clone Name :	3E4
Application :	IHC,FACS,WB
Reactivity :	Mouse,Human
Gene :	IRF4
Gene ID :	3662
Uniprot ID :	Q15306
Format :	Purified
Alternative Name :	MUM1, LSIRF, SHEP8, NF-EM5, PU1IP, PIP
Isotype :	Rat IgG1 kappa
Immunogen Information :	GST fusion protein containing C-terminal part of murine IRF4

Description

IRF4 (interferon regulatory factor 4) is a 52 kDa intracellular protein, serving as a transcription factor important for pre-B cell development, maturation, and plasma cell differentiation, as well as for development and function of macrophages and dendritic cells. It is expressed also in activated T cells, multiple myeloma, and some other carcinomas. It binds to the interferon-stimulated response element of the MHC class I promoter.

Product Info

Amount :	0.1 mg
Purification :	Preparation: Purified by protein-A affinity chromatography.
Content :	Concentration: 1 mg/ml Formulation: Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml. Intracellular staining.

Rat IgG1 kappa

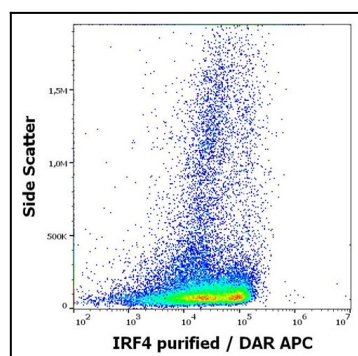


Figure 1: Flow cytometry intracellular staining pattern of PMA+Ionomycin stimulated human peripheral whole blood stained using anti-IRF4 (3E4) purified antibody (concentration in sample 2 µg/ml, DAR APC).

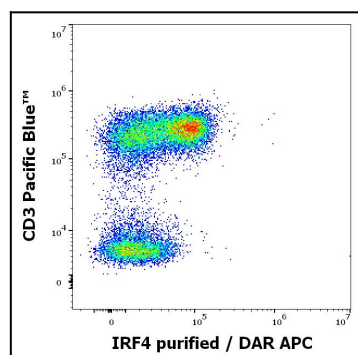


Figure 2: Flow cytometry multicolor staining pattern of PMA+Ionomycin stimulated human lymphocytes using surface staining with anti-human CD3 (UCHT1) Pacific Blue antibody (4 µl reagent / 100 µl of peripheral whole blood) and intracellular staining with anti-IRF4 (3E4) purified antibody (concentration in sample 2 µg/ml, DAR APC).

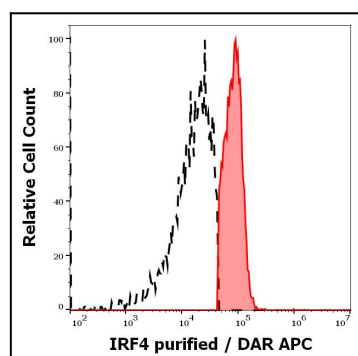


Figure 3: Separation of human CD3 positive IRF4 positive lymphocytes (red-filled) from CD3 negative IRF4 negative lymphocytes (black-dashed) in flow cytometry analysis (intracellular staining) of PMA+Ionomycin stimulated human peripheral whole blood stained using anti-IRF4 (3E4) purified antibody (concentration in sample 2 µg/ml, DAR APC).