

Product datasheet for **DM1212**

Fas Ligand (FASLG) Mouse Monoclonal Antibody [Clone ID: GM5F4]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | GM5F4 |
| Applications: | FC, WB |
| Recommended Dilution: | Flow Cytometry: 1.2 µg/10e6 cells. ELISA: 1/200-1/400. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Immunogen: | Genetic immunisation with cDNA encoding Human FasL (extracellular domain) |
| Specificity: | This antibody recognizes CD178 / Fas Ligand. |
| Formulation: | Phosphate buffered saline, pH 7.2 State: Purified State: Liquid purified Ig fraction |
| Concentration: | lot specific |
| Purification: | Affinity Chromatography on Protein G |
| Conjugation: | Unconjugated |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | Fas ligand |
| Database Link: | Entrez Gene 356 Human P48023 |



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Background:

The FAS ligand (FASL, CD95), a member of the tumor necrosis factor family, induces apoptosis in FAS-bearing cells (1). FASL is a type II membrane receptor with a soluble form that can be released into the extracellular fluid by proteolytic processing. Various cells express Fas, whereas FASL is expressed in activated splenocytes and thymocytes (2). In the immune system, Fas and FasL are involved in down-regulation of immune reactions as well as in T cell-mediated cytotoxicity. Malfunction of the Fas system causes lymphoproliferative disorders and accelerates autoimmune diseases, whereas its exacerbation may cause tissue destruction.

Synonyms:

FASLG, APT1LG1, FASL, TNFSF6, CD95L protein, APTL

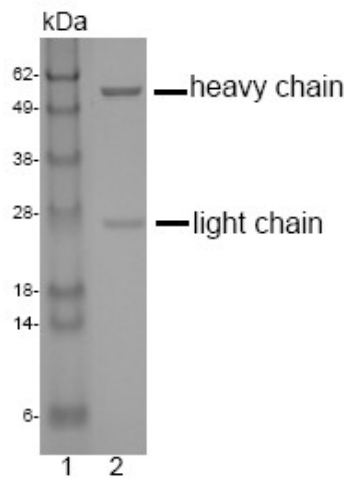
Product images:


Fig.2: SDS-PAGE analysis of purified GM-5F4 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 ug of purified GM-5F4 antibody. Proteins were separated by SDS-PAGE and stained with RAPID Stain (TM) Reagent.

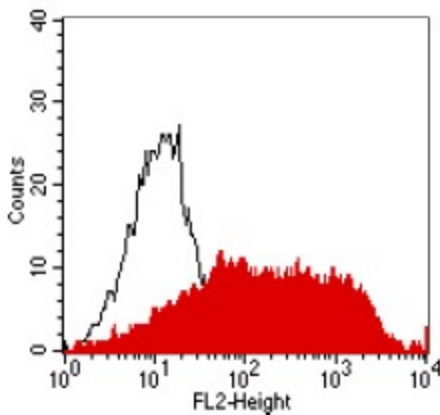


Fig.1: FACS analysis of BOSC23 cells using GM-5F4. BOSC23 cells were transiently transfected with an expression vector encoding either FasL (red curve) or an irrelevant protein (control transfectant: black curve). Binding of GM-5F4 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with FasL transfected cells.