Product Datasheet

Anti-TRP-1, gp75 [TA99] (orb1152524)

Catalog Number	orb1152524
Description	Human monoclonal antibody to TRP-1, gp75
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	ELISA, FC, IF, IHC-Fr, IP, WB
Immunogen	70-75 kDa pigmentation-associated glycoprotein in human melanoma cell lines.
Target	TRP-1, gp75
Preservatives	PBS with 0.02% Proclin 300.
Concentration	1 mg/ml
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Isotype	Mouse IgG1
Clonality	Monoclonal
Clone Number	TA99
Purity	Purified
Uniprot ID	P17643
Expiration Date	12 months from date of receipt.

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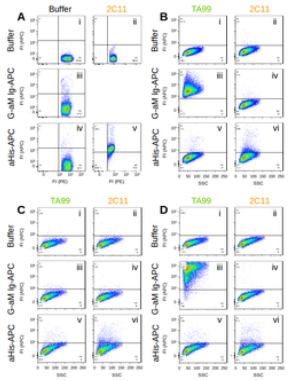

Flow-cytometry using anti-CD3 epsilon (2C11 scFv) and TRP1 (TA99) antibodies. Mouse splenocytes (A), B16F10 murine melanoma cells (B), KPC3 pacreas carcinoma cells (C) and KPC3 cells transfected with the Trp1 gene (D) were fixed using 2% PFA, permeabilised using 0.5% Triton and were subject to a primary treatment of either buffer, mouse-IgG1 chimeric 2C11 or mouse-IgG1 chimeric TA99 (indicated above plots) before a secondary treatment with buffer, goat anti-mouse Ig-allophycocyanin (G-aM Ig-APC) or anti-HisTag-APC (aHis-APC) antibodies (indicated beside plots). In panel A, splenocytes were also stained with a commercially available anti-CD3 (2C11) antibody conjugated to phycoerythrin (PE); all cells (i-v) were CD3 and thus PE positive. In subpanel ‘A v' an increase in APC fluorescence intensity (FI(APC)) indicates binding of aHis-APC to 2C11 bound to CD3 at the cell surface. Some Ig containing proteins expressed by the splenocytes may explain the increase in APC fluorescence in subpanel ‘A iii'. In panel B an increase in FI(APC) in subpanel ‘iii' indicates that TA99 binds to heavily expressed TRP1 at B16F10 cell surfaces and is then detectable using an G-aM Ig-APC antibody. Conversely, G-aM Ig-APC did not detect 2C11 at the cell surface, whereas a subset of cells with 2C11 bound to the surface were detectable using aHis-APC. Panel C shows that TRP1 is not detectable in KPC3 carcinoma cells (‘Ci, iii, v') as expected, and that again, aHis-APC is able to detect a small subset of CD3 expressing cells (‘C vi'). When transfected with the Trp1 gene, KPC3 cells then strongly express TRP1 and it becomes detectable (‘D iii'). A small subset of CD3 positive cells was again detectable in Trp1 transfected KPC3 cells (‘D vi'). All analyses were made using FACSCanto flow-cytometer.

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