Purified Anti-Human TYRP1 Antibody[TA99], Functional Grade

catalog number: **AN007880**

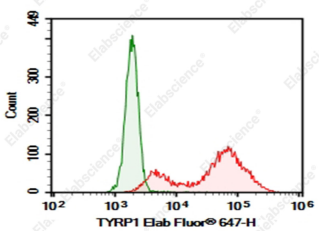
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

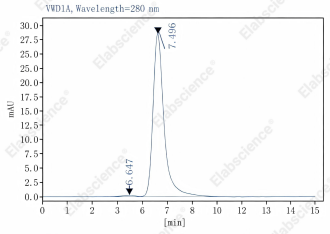
Reactivity	Human
Immunogen	Recombinant Human TYRP1 protein
Host	Rabbit
Isotype	Rabbit IgG, κ
Clone	TA99
Purification	>98%, Protein A/G purified
Buffer	Sterile PBS, pH 7.2. < 1.0 EU per mg of the antibody as determined by the LAL method.

Applications	Recommended Dilution
FCM	≤ 0.2 μg per million cells in 100 μL volume
Activ	Reported in the literature

Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding Human TYRP1 gene were stained with 0.2 μg Purified Anti-Human TYRP1 Antibody[TA99], Functional Grade (Right) and 0.2 μg Mouse IgG1, κ Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.



HEK293T cells transfected with pcDNA3.1 plasmid encoding Human TYRP1 gene were stained with 0.2 μg Purified Anti-Human TYRP1 Antibody[TA99], Functional Grade (Right) and 0.2 μg Mouse IgG1, κ Isotype Control (Left), followed by Elab Fluor® 647-conjugated Goat Anti-Mouse IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles. This preparation contains no preservatives, thus it should be handled under aseptic conditions.
Shipping	Ice bag

Background

Tyrosinase-related protein 1, also known as TYRP1 or MEL-5, is an enzyme found in melanocytes and is involved in the synthesis of melanin. TYRP1 stabilizes tyrosinase and modulates its catalytic activity. It is also involved in the maintenance of melanosome structures, as well as the proliferation and cell death of melanocytes.

None (Azide-Free,Low Endotoxin) are perfectly suited to be used in culture or in vivo (for nonhuman studies) for functional assays blocking, neutralizing, activation or depletion where the presence of azide may damage cells or exogenous endotoxin may signal or activate cells.

Application References

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Birgit Lehmann, et al. Sci Immunol. 2017 Jan 6;2(7):eaah6413.