

DESCRIPTION

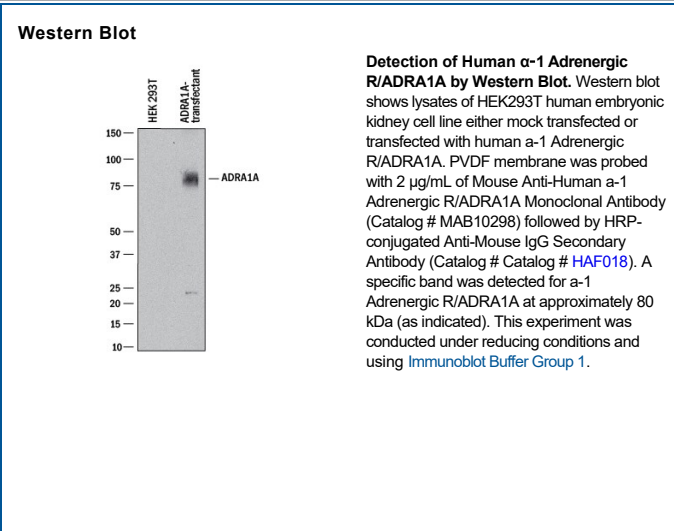
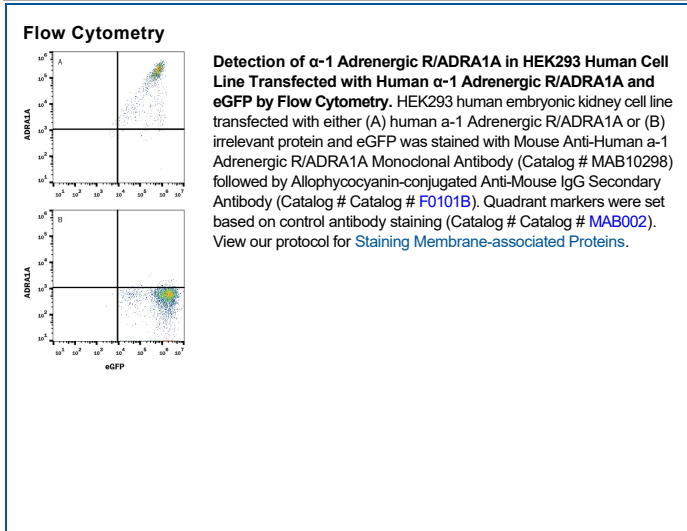
Species Reactivity	Human
Specificity	Detects human α -1 Adrenergic R/ADRA1A in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 518508
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human α -1 Adrenergic R/ADRA1A Accession # P35348
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μ m filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	2 μ g/mL	See Below
Flow Cytometry	0.25 μ g/10 ⁶ cells	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

ADRA1A (formerly known as alpha 1-C adrenergic receptor) is an alpha-adrenergic receptor which is mediated by G(q) and G(11) proteins. Alpha-1 Adrenoreceptors play an important role in mediating human prostatic smooth muscle contraction. Antagonists of ADRA1A include tamsulosin and silodosin which treat benign prostatic hyperplasia.