Product Data Sheet:
Alexa Fluor 633, Goat anti-rat IgG(H+L) (min. X Hu, Ms)

Cat. No:	IS20133-1
Size:	1 mg
Clone:	POLY
Concentration:	2mg/ml
Host:	Goat
Isotype:	IgG
Reactivity:	Rat
Applications:	Recommended Dilution Range 1-10 µg/mL of the IgG conjugate for most applications. Appropriate dilutions of the conjugate should be determined empirically.
Purification:	Aff. Pur.
Background:	Far-red fluorescent dyes offer the advantage of ultra sensitive detection because background signal due to auto-fluorescence in most biological samples is minimal in this spectral region. For many years, the cyanine dye Cy-5 has been the dye of choice for such detection. More recently, Alexa Fluor® 647 has been developed as a better alternative by having brighter fluorescence and higher photostability. On the other hand, while Alexa Fluor® 633 is photostable, its fluorescence on proteins is very weak
Form:	liquid
Buffer:	In PBS pH ~7.4 containing 50% glycerol, 2 mg/mL bovine serum albumin (IgG-free and protease-free) and 0.05% sodium azide.
Storage:	Store at 4°C for several months. Protect from light. For longer storage, divide the conjugate into small aliquots and freeze at -20°C. Avoid repeated freezing and thawing.
Properties:	Color and Form: Blue solution. Spectral Properties λabs/λem = 630/650 nm (in pH 7.4 PBS buffer) Alexa Fluor 633 is spectrally similar to DyLightTM 633.

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