

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human KOR. Stains human KOR transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG ₁ Clone # 387301
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human KOR Met1-Val380 Accession # P41145
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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
Flow Cytometry	0.25-1 µg/10 ⁶ cells	Human KOR transfected HEK293 cells

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. <ul style="list-style-type: none"> ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

KOR is a 45 kDa 7TM opioid receptor that is primarily expressed in the central nervous system and peripheral visceral pain sensory nerves. Following ligation by dynorphin peptides, KOR signaling induces analgesia, dysphoria, diuresis, and increased feeding desire. KOR also exerts neuroprotective and anti-inflammatory effects. Human KOR shares 94% amino acid sequence identity with mouse and rat KOR.

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