

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Xg in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Xg Gln22-Lys142 Accession # P55808
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*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.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

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. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Xg, also known as PBDX (pseudoautosomal boundary divided on the X chromosome), is a type I transmembrane glycoprotein that belongs to the CD99 family. It is an erythrocyte membrane protein that is used as the basis for the Xg blood group system. Mature Xg is a 26 kDa glycoprotein that consists of a 121 aa extracellular domain, a transmembrane segment, and a 17 aa cytoplasmic tail. Xg isoforms with either a 15 aa insertion or a deletion of nearly the entire ECD have been reported. Within the extracellular domain, human Xg shares 100% aa sequence identity with mouse Xg.

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