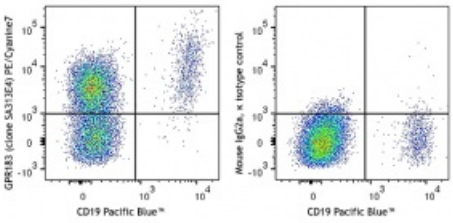
SONY

Product Data Sheet

PE/Cyanine7 anti-human GPR183 (EBI2)

Catalog # / Size:	2444580 / 100 tests 2444575 / 25 tests
Clone:	SA313E4
Isotype:	Mouse IgG2a, κ
Immunogen:	Human GPR183-transfected cells
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE/Cyanine7 under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA)
Workshop Number:	IV 103
Concentration:	Lot-specific



Human peripheral blood lymphocytes were stained with CD19 Pacific Blue™ and GPR183 (EBI2) (clone SA313E4) PE/Cyanine7 (left) or mouse IgG2a, κ isotype control PE/Cyanine7 (right).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.
Application Notes:	Additional reported applications (for the relevant formats) include: immunohistochemical staining of paraformaldehyde fixed frozen sections.[4]

Application References:

1. Fridlender ZG, *et al.* 1999. *Hum. Immunol.* 11:1028.
2. Devitt A, *et al.* 1998. *Nature* 6675:505.

Description: GPR183, also known as EBI2, is a member of the rhodopsin-like subfamily of 7TM receptors, which forms homodimers and heterodimers when it associates with CXCR5. GPR183 is expressed by Naive B cells, subset of T cells, monocytes and macrophages, and is highly upregulated by Epstein–Barr virus infection. GPR183 regulates the B cell trafficking within lymphoid follicles in response to 7α, 25-dihydroxycholesterol.

Antigen References:

1. Preuss I, *et al.* 2014. *Biochem. Biophys. Res. Commun.* 446:663.
2. Barroso R, *et al.* 2012. *FASEB J.* 26:4841.
3. Hannedouche S, *et al.* 2011. *Nature.* 475:524.
4. Benned-Jensen T, *et al.* 2011. *J. Biol. Chem.* 286:29292.