



Anti-IL-12/IL-23 p40 monoclonal antibody, clone 227335 (DCABY-4257)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Detects the p40 subunit of porcine IL-12/IL-23 in ELISAs and Western blots. In ELISAs, this antibody shows 25-35% cross-reactivity with recombinant human IL-12 and IL-23 and no cross-reactivity with recombinant mouse IL-12 or IL-23.
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant porcine IL-12 p70 heterodimer
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Pig
Clone	227335
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Unconjugated
Applications	ELISA Capture (Matched Pair)
Format	Liquid
Size	500 µg
Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month from date of receipt, 2 to 8 °C, reconstituted.

BACKGROUND

Introduction

IL-12 is composed of a bundle of four alpha helices. It is a heterodimeric cytokine encoded by two separate genes, IL-12A (p35) and IL-12B (p40). The active heterodimer (referred to as 'p70'), and a homodimer of p40 are formed following protein synthesis. Interleukin-23 also known as IL-23 is a heterodimeric cytokine composed of an IL-12p40 subunit that is shared with IL-12 and the IL-23p19 subunit. A functional receptor for IL-23 (the IL-23 receptor) has been identified and is composed of IL-12R β 1 and IL-23R.

Keywords

IL-12/IL-23 p40; Interleukin 12; Interleukin 23
